

<221> misc feature

<222> (1249)

<223> n equals a,t,g, or c

<400> 684

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<210> 685

<211> 2600

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (38)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (57)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (476)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1905)

<223> n equals a,t,g, or c

<400> 685

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<210> 686

<211> 4641

<212> DNA

<213> Homo sapiens

<400> 686

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<210> 687

<211> 400

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (370)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (380)

<223> n equals a,t,g, or c

<400> 687

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<210> 688

<211> 2751

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (528)

<223> n equals a,t,g, or c

<400> 688

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<210> 689

<211> 969

<212> DNA

<213> Homo sapiens

<400> 689

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<210> 690

<211> 979

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (376)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (943)

<223> n equals a,t,g, or c

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<221> misc feature

<222> (945)

<223> n equals a,t,g, or c

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<222> (957)

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<222> (959)

<223> n equals a,t,g, or c

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<221> misc feature

<222> (969)

<223> n equals a,t,g, or c

<400> 690

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ctatccccga gcctggactg tctatcagct tcctggccag aatgtcacc cccacctgccg 180
tcagatcaca cccatcttgc cccatgacta ccaggacagc agcctgcctg taggagtctt 240
tgtgtgggat gtggaaaatg aaggggacga agctctagat gtgtccatca tgttctccat 300
gcggaatgga ctgggtggtg gagacgatgc cccaggggggt ttgtggaatg agcccttctg 360
tctggagcgt agsgngngaa actgtccggg ggctgctcct gcatcatcca acccttccaa 420
acccttacac gatggctgtg gctgcacgag tcacggcagc taccacggta acccacatca 480
cagcctttga ccctgacagc acgggggcagc aggtgtggca ggatctactt caggatggac 540
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cttgggacat gcccaggatc atgtttggag cttaaaggcca agtccactac aggcggtata 720
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gatacgcaga gtgggaagag aggatctcag cttggcagag cccggtattg gatgacagat 840
cactgcctgc ctggtacaaa tytgcgctgt tcaatgaact atacttctctg gctgatggag 900
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<210> 691

<211> 693

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (27)

<223> n equals a,t,g, or c

<400> 691

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gtagcagcag cacaaccagc caaggtggtg tcaaacgctc actatcagag cagcctgtca 120
tggacacagc cacagcaaca gagcaggcaa agcagctggt gaagtcagga gccatcagt 180
```

ccatcaaggc tgagaccaag aactcaggct tcaagcggtc tgaaccctt gaggggaagt 240
taaaggaccc cgagaaggga ccagtcacca ctttccagcc gttccagagg agcatatctg 300
ctgatgatga cctgcaagag tcatccagac gtccccagag gaaatctctg tatgrgagct 360
ccctcgctgt ccagaacagc cctaagggtt gccaccggga caagaggacc cagattgtct 420
acagtgatga cgtctacaag gaaaacctt tggatggctt ctagggaaca gagctggatt 480
ccttgtgcct catatgcccc aatgctggtc tcagtaaaac actgaggtgg aagcttacac 540
atctccctca gcctctggtt tttcagcact tgggattggg gttaaacctt taaaaacggc 600
tgtcaggttt gatctcagt taacaacatg gccagtgcct gttccccact cccttgcccc 660
aaaaggattt ggaacccaaa aaaaaaaaaa aaa 693

<210> 692

<211> 1382

<212> DNA

<213> Homo sapiens

<400> 692

gcccactcgc tgcggcgctt ctggctccag accgccctcc ggatcggacc ctgcgaatgg 60
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tctgtgtcct ggactccgga tacctcaact ctcaagtactt tgtgtctcag ccaggcccag 180
agccatggct atctcctctt cctcctgcga actgcccctg gtggctgtgt gccaggtaac 240
atcgacgcca gacaagcaac agaactttaa aacatgtgct gagctgggtc gagaggctgc 300
cagactgggt gcctgcctgg ctttccctgcc tgaggcattt gacttcattg cacgggaccc 360
tgcagagacg ctacacctgt ctgaaccact ggggtgggaaa cttttggaag aatacaccca 420
gcttgccagg gaatgtggac tctggctgtc cttgggtggg ttccatgagc gtggccaaga 480
ctgggagcag actcagaaaa tctacaattg tcacgtgctg ctgaacagca aaggggcagt 540
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ggcaagattg gtctagctgt ctgctatgac atgcggttcc ctgaactctc tctggcattg 720
gctcaagctg gagcagagat acttacctat ccttcagctt ttggatccat tacaggccca 780
gcccactggg aggtgttgct gcggggcccgt gctatcgaaa ccagtgcta tgtagtggca 840
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gacccctggg gaacagtggg ggcccgtgc tctgaggggc caggcctctg ccttgcccga 960
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aaaggtggaa ttttatatag tcattgttta tttcatggaa actgaagttc tgctgagggc 1320
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aa 1382

<210> 693

<211> 3098

<212> DNA

<213> Homo sapiens

<400> 693

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ttatatggct aaaatcatct tcagtaagaa ctctcttagg atatgaattt aagtgaaaat 180
ttactgtctt ttttttaaaa catgatgaaa cagtaatcta tagagcaatt tcattagtat 240

atgtgagtaa tgatgggttta gtttaactcta caggctgggt aagggtcat aagaaagctt 300
ctaaagctct gtgctttgtg ttctctgtg aatgtccatt ctacttctct ttctaataat 360
gcatgctttt ctttttgtaa acaaaatgtt gacttcatgg atcaattaaa gagaattgta 420
aaaacctaaa ttggcttcag ttaacagtta aaaaaaacc cttcaattgg aagaaaaaaa 480
aatttaattc atagatttca atccacacaa aatcatgtcg tcttctctgt ttacacctaa 540
tgrctaacct taatctctaa accattaatg ggggtgattct aatttctgtc ttcttttctt 600
ttttcttctt gcatcccatg ttgtctgtgg tggtttgtgt gggttgactc tcccctgggtc 660
agtattttta ttccaggag gtgttccctg tcttggctgc aaagcactgt atcatgcagg 720
ccaatgctga gtaccatcag tctatcctgg caaaacagca gaagaaattt ggagaagaaa 780
ttgcaagggt acagcatgca gcagaactga ttaaaacagt ggcattctgc tatgatgaat 840
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tcccttctgc taatccagca aagaccatgc agggcagtga ggttgtaaag gtcttaaaat 1620
ccttattgtc aaatcttgat gaagtaaaga aggaaagaga gggctctggag aatgacttga 1680
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aagccaaga atctctaaag aaacaggagg gacttcttaa aaatattcag gtctcacatc 1860
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agaatttagc tactgcatat gacaactttg ttgaacttgt agctaatttg aaggaaggca 1980
caaagtttta caatgagttg actgaaatcc tggtcagggt ccagaacaaa tgcagtgata 2040
tagtttttgc acggaagaca gaaagagatg aactcttaaa ggacttgcaa caaagcattg 2100
ccagagaacc tagtgctcct tcaattccta cacctgcgta tcagtcctca ccagcaggag 2160
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aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaagg 3098

<210> 694

<211> 489

<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (418)
<223> n equals a,t,g, or c

<400> 694

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ctgctgttgc ggccgctgcc ccagggctgc ggggacgctc ccggagccct gcctgttccc 120
tgtccatcca ggccagcagc tgaaggagcc tcacctgcct cccttctctg agtagcacgg 180
atttraggag aagcagcgaa gatgtccagc gagcctcccc ctcccttatcc tgggggcccc 240
acagccccac ttctggaaga gaaaagtgga gccccgcccc cccagggccg ttccctcccca 300
gctgtgatgc agccccctcc aggcattgcca ctgccccctg cggacattgg cccccacccc 360
tatgagccgc cgggtcamcc aatgccccag cctggggttya tcccaccama catgagtnca 420
gatgggmact acatgcctcc ggggtttttta cccttcttca ggggccccca cccacccttg 480
gggtaatta 489
```

<210> 695
<211> 1844
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (13)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (15)
<223> n equals a,t,g, or c

<400> 695

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gccactaagc tgnentgcgc gcgcctgcag gtcgacacta gtggatccar agacaaaatg 60
gaaattttaa tgacatccta gaggtagaga aaccgtggag atcgcttttc tcagactcac 120
caacttttaa tgggatttca tgggggtttgg ttgtgctgat agggtaaggg gaggtgctt 180
tctgcccttc tccccactcc catctgattt acttaattca gtctcagctg ctgaaatttg 240
gaaaggacca aattgcttta cagttttttt ctttgtgtag tatcttgaaa tcctggaaaa 300
ttctatggaa tagttctgta tatagggcac aagtaaaggc attgtccaaa gtttatttat 360
ttatttatta ccctaagaat gctttgccat aaccacattt aatgggaaaa acggcagtat 420
cacagatgta aattaactca ccagatttac tgggcctgaa ctcatctctt tcttgctata 480
tgatttagca agttctagaa ggtctccaag acaataatta cattggcaca atgtatactt 540
cagtgcctac ccgtaggcaa atctcttttt aaaaaactct ttggtgcaca agtaacacat 600
ttggccacaa aacaccaaag aattgtaggc agtgggccct attgagaagt tttccggtag 660
agttggaaat cagttgtgaa tacattcttt gctagttgga gtgcttgttt actaagcatg 720
tgccgtcgta ggtattagtg ctagtctcaa ataggtgctt cccctgaggt gcaggggaag 780
accaaagttt gcaactcgaa ctgctttcgt ccattgttct cacattgctg tatttttagaa 840
aataggggtt aagactgata acaacctttt acattgtgac tgtgtttgca ttgtctaattg 900
acagataaat ccttaacatt tctctccacc ttagtacttt agactaattg tgtttgtccg 960
```



```
tccatgccat gaatgagtgg gctgtagttg ggcctaaata aatgagctgt tggagaaaa 1020
gaatcacagt actttccagc agtcagtcctc tggttccctag atgtgttcta agcaatgcaa 1080
atgtctaatt gtccccccagt gggcatagtc agtgtcgttt atattgtagc agttacagct 1140
ctgtagttta tgatgcaaat ctgccaagag agatgtatgt gtcactgcat ggcttctgaa 1200
agcaggatga attttctgca gctgtttcaa agttgggggc tgttcttgaa tcctctatta 1260
attactgtgt gtgagccaga gggagctgtg gtaagggttg ggccccccagc ctgtagggaa 1320
ctttctggac tcccactctt tgaatcgata taggcatttg gtctcactac ttgaccattc 1380
tcaccctgtg aaacgtccca cactttgaag caaatacaat tcacagcaca gtacacacaa 1440
aaaccttggc ataagacaga gaaggttctt cttattttgt gggctggttg ctgtagaaac 1500
acataacaaa gggcagccct ccacttctgg tataattgtg tagccccctt tctttgggct 1560
tgacacctgt cttgaataag agtgattaga gctgcataat gtccctctct tggctattga 1620
ccatgtgggt cacgtacaaa actctgtata agttgaagga aaatgttcat gttcatatgt 1680
acttgtttgc tatgactaca ttttgagggt ttgtaaaact gttatttttt tttttttcac 1740
aatgtgaaac tgaagggtcaa taaattatta gagattttct cttcaaaaaa aaaaaaaaaa 1800
aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaggggg gggg 1844
```

<210> 696

<211> 605

<212> DNA

<213> Homo sapiens

<400> 696

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tgataatcat caaatgttg aagtttatca cagttctaca ttaaaaataa gtcatttttg 120
taggtgagtt atccaataca gcaaaggcca tcaaagagaa agccaatact ttcattggaga 180
gctcagagcc ttaatagatc ccagcagcaa tgcttcaacc attcccaact ccatgttcct 240
tgctagatgc tcctcaccct aaactcctgc aaatttcaag aatttctgtg tatgwggtgtg 300
ttaaggagg agtttttaaag tatctctgta ttcaacaaga tacgtcagct tgtaagcagc 360
agaaacctac ttaaactakc ttacatgaga aaataacatt ataaagacat aggagtgttt 420
ctacaccaag agctggaggt attgttttgt ttcatgaagg gttaaaatct gtaattccaa 480
aagtaggact tcaggcagct gcaccatcaa tctgtgtctt tctctcwggg actgtgggac 540
tctatwcccg tctgacttgc tttgggtccc ggggcatcat tcttggcttt gggaaaacac 600
acttt 605
```

<210> 697

<211> 540

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (113)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (114)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (488)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (489)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (534)

<223> n equals a,t,g, or c

<400> 697

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agggcacact agggacctac cgtacaacac ttcagcattg ttaagcactt aaccatttga 60
aaaaacttaa tgaaatgatt aatttttttt ttaattttac tgaaggatgt atnnatagat 120
ttaggagggga tatgaggggtg actaaaaagt taaatttttc taatgtgaac ttttatttat 180
gttggttgt atcttacaat ttgtaathtt aaagtcattg taggccaatg raatgtgagc 240
gcctcaagaa tagctattaa gtatcatact aaatttggcg gacgtacaga tctgtgttac 300
aaagaaatgg aaaagtcatt cctgtgtcac ggggatgaaa agcctgctag ccattccaat 360
tgactgagra catcttgcaa agaaccacc ttacttctgc cggtagagcc ttgggcaaat 420
taaagtcatt tcaaatcaat ttagtagtaa gttcccttwt acmaatagtt atgtgtccac 480
acacgtgnng aatgttttat gggaactaat ggaagcgagc aaatcccaga aggntctctg 540
```

<210> 698

<211> 496

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (271)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (477)

<223> n equals a,t,g, or c

<400> 698

```
ggcagagggg agactcagct gatactgctt ccttgagatt taatacacct tcctttgatc 60
tctcctgtcc ccattatccc aggaaaatcc agagtagctt ccagtccatt ctcatataatc 120
cactggatcc aaagtttaga gaggttcccc ttccctccag cctccttcct ggcccaacag 180
aggagcacc caccaccctc catcagctgc tcaaaaccca caagggaaaa atccctacag 240
gtccatgcca ggaggttagtg gagctaccct ncaggttcca ttaagtcata ccagaaggct 300
gagtgtagaa atgaacatta agaggggttc catctgtagg gaaaggggttc aagatgcaaa 360
gctttacaga aggttctccg tctaattgtg aagattaaga gcaactgggtg acctaggaag 420
atgaagaatg gagagtgggg aaaccagcag agattttcag gaatgtttta gggggenttt 480
tcacgttttc aaagca 496
```

<210> 699

<211> 987
<212> DNA
<213> Homo sapiens

<400> 699

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ggcacgagct caactgcaag gacgctgtaa gcaggaagag aagccacagc gcttcagaaa 60
agagtgggac agggacaagc atatctaaga ggctgaacat gaatccacag atcagaaacc 120
cgatgaaggc aatgtatcca ggcacattct acttccaatt taaaaacctt tgggaagcca 180
acgatcgga cgaacttgg ctgtgcttca ccgtggaagg tataaagcgc cgctcagttg 240
tctcctggaa gacgggcgtc ttccgaaacc aggtggattc tgagacccat tgtcatgcag 300
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tcacctggta cacatcttgg agcccttgcc cagactgtgc aggggagggtg gccgagttcc 420
tggccaggca cagcaacgtg aatctcacca tcttcaccgc ccgcctctac tacttccagt 480
atccatgtta ccaggagggg ctccgcagcc tgagtcagga aggggtcgct gtggagatca 540
tggactatga agattttaaa tattgttggg aaaactttgt gtacaatgat aatgagccat 600
tcaagccttg gaagggatta aaaaccaact ttcgacttct gaaaagaagg ctacgggaga 660
gtctccagtg aggggtctcc ctgggcctca tgggtctgtct cctctagcct cctgctcatg 720
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ctcctggcct cagggccatt ccacagtgtc cccctgcctc accgcttctt cctcgctctt 840
ccagactctt cctgcagagg ctccctttctg cctccatggc tatccatcca cccccacaga 900
ccccgttctt ccagcctgcg tgcccctaac ctggcttttc ccatctcccc agcataacca 960
aatcttacta aactcawsct aggtggg                                     987
```

<210> 700
<211> 1675
<212> DNA
<213> Homo sapiens

<220>

<221> misc feature

<222> (1616)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1635)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1659)

<223> n equals a,t,g, or c

<400> 700

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gggaggcacc cagttgaaaa cagaaaaaat acatatgttt ttgttagctc cmgtggcaac 120
agggatcaac agtcacaatg atagaggaag gggcattcaa ggaaccatta atgagcaatg 180
tgccctctct ctcaaaatca gggcaagcca tggcaccaag atgatgactc cagaggtgct 240
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ccgctcagga aagtattact ttacgacaa ctactttgac ctgccaggag ctcttctgtg 360
tgccagggtg gtggactatt taacaaaact gaacaatggt caaaaaacat ttgatttttg 420
```

gaaggatata gttgctgcta tacaacacaa ttataaaaatg tcagcttttta aggaaaactg 480
tggaatatat tttccagaaa taaaaagaga tccaggcaga tattttacata gttgtcctga 540
atctgtgaaa aaatggcttc gacagctaaa gaatgctggg aaaattcttc tgtaattac 600
cagttctcac agtgattact gtagacttct ctgcgaatat attcttgga atgattttac 660
agaccttttt gacattgtga ttacaaatgc attgaagcct ggtttcttct cccacttacc 720
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aatgactggc aaacctgaac ccaaggttgt ttatttttgt gacagcatgc attcagatat 900
tttcccagct cgtcactata gtaattggga gacagtcctc atcctggaag aactcagagg 960
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atatgaggga ccaaaagcaa aacctttaaa tacttcatct aaaaaatggg gctctttttt 1080
tattgattca gttttgggac tggaaaatac agaagactcc ttggtttata catggtcttg 1140
taagagaatc agtacttaca gcactattgc aattccaagt attgaagcaa tcgcagaatt 1200
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tccaaatcct ccactggtct tatcaagtga tgagacactg atatccaaat aagttgtctt 1320
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tactgtaaaa gactttaagg aacaagtttt attgaccaat aagttgatat tttccatag 1440
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caccggggg ggccacacac tcacacggca cagttcactc ttacacata tggccnccgt 1620
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<210> 701

<211> 556

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (454)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (502)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (505)

<223> n equals a,t,g, or c

<400> 701

ttaacccac agtctacttt tttttctgtt gcagacctta agacaatgta gtaatacgtc 60
ttttacccat cccccaata acagtgtaca cagtgtgttt tttccccta gtggagtga 120
cagtatgta gtgaggtag gtgagcatct agatttgctc cacagaaaag ggtgtttcca 180
gccagtatca gtgatgttg tacttctcca acagtctaaa tctaagggtt ttaggagcct 240
gttygattaa gtgataagaa gataccctcg tctggtgttt ctttcagtgc tgccctctca 300
tcttttagca gaaggcacia atgcctttta tttgctccgt ggtgaaaagc ttccagttct 360
caataggcac aggatgtcag tggccacagt tgggtgtaagc ctgttcagag tcttctaatt 420
tgaaactgta gtggtgttta gtttataaag ctanaagaag aatctgtgga gggctctggaa 480

ttgtatttgt gtggtgaaat tngtnacttt tagatgagga aagaaaacct ttgcttttgc 540
ccaaaacctg tgccag 556

<210> 702
<211> 1138
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (1074)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (1096)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (1138)
<223> n equals a,t,g, or c

<400> 702
gccaaagcga gaatggggac ttagttcctg tcccctgagc ttcagagaac acaaaaacct 60
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cacttcctgg gctggggacc tcacagtttc ctgttcctgc cttgaggccg ggcaaacgca 180
gcaccaactg ctccccacag gtgcacagcg tgggtgctgtc agagcgggac ctgcagcggg 240
agatcaaggc ccagctggcc cagctgcccc attccgcgcc gggacccccg ccccggccac 300
agggtccgcct cgccggggcc caagccatct ttgaggccca gcagctggca ggagtgcgac 360
gaggcgccaa gcctgaggtg cctcggattg tgggtgcagcc cccggaggag cccagaccac 420
cgcgggcgga accccagacc cgcggaaga ctttccatgg gctcctgact cggggccggg 480
gcccccccat cgagggggccc cccaggcccc aacgaggctc cacctccttc ctggacaccc 540
gcttctgaga ggaccatgga cttagtgtcc cccagtctca attgcctgat ggctgatgcc 600
agcccggcaa ataggcaccg cactttactc ttgggactcg gggacttggc ttccttcctg 660
gcaaggacca ggcagtgggg aaggaggagg tcctccgtgg tacatactgg gtcaggcact 720
agcatggagg agggtcacag agtggggcac gtgaggacct atggaaccgt cctggtgccc 780
aggccctcac aagtaccaa gccagcacca aaggagtcag ggaaggggtt ggctgagtca 840
agggacccca gagggcacca ggaataaaat cttcttgaac agaaaaaaaa aaaaaaaagg 900
gcggccgctc tagaggatcc aagcttacgt acgcgtgcat gcgacgtcat agctcttcta 960
tagtgtcacc taaattcaat tcaactggccg tcgttttaca acgtcgtgac tgggaaaacc 1020
ctggcgttac ccaacttaat cgccttgacg cacatcccc tttcgccagc tggnttaata 1080
gcgaagaggc ccgcancggt tcgccctttc cccacaattg cgccctggaa tgggcgan 1138

<210> 703
<211> 1062
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature

<222> (1044)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1061)

<223> n equals a,t,g, or c

<400> 703

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cactgtgtgg agggcacctc tctgtccctt ccgtgtctca ctgtctctgg aagcttcagc 60
ccatgtgtgt cctgggtgtt ccagccccac cagagcccgt gccgggagct gacagctttc 120
acgcttaagg cacgtgtgac ctgggtagtc agacaccact tgagcccctg cccacatctg 180
ctggtttggg gcttcagtgg ggagctgaca gctgtgagca caccactgtc cctcatcca 240
cctcggcctg catggggcac ccacttcctt ctgggtgggg ctcccatggg aagggggcct 300
gcgtccctgc aactgcgag gactgccttg cacaggcca ctccctacga cacgtgactc 360
gttttagagc tctgtcccag aggcgttcgt atgtgacca cagatggcgt caatgtgaac 420
acctctcttt gtgctgaatt tctgggccat tcttttcctg tcttatttct aaatttcctt 480
cttccaagat gaaaacaaaa gaaaaactta aaacagaagg tattaacaaa acaagagatt 540
cccaccatta tttaggttca cctgcaraac aaaaatctta ctccarcccc tcaatgccat 600
cctgacacac tttatgcaaa aagaattttc ccagataggg tagccagaaa aaacttcaag 660
tcctctgtaa catctgaggt gaccaagagg cagaagagca gagcagtcgg gggccgtgtc 720
ctggctgatc ccaactgcag ctctgctgtg ggggcccgtg ggagggaggc agaccctg 780
gctttcctgc tggccacgga gactctgtc ctgcatggaa agggagcctg ggagccagca 840
gcccacgcct ggggagcctg cctggggcca tgtgaccatg gcctctccct gggaacgggc 900
tgaccacaac acaccctgct gccatccact tctgtttact ctgcaaatgt aagaaagaac 960
cacttggcca gaagtgtccc ccagatgstt tttttttttt tttttgggag acagttttgc 1020
yyttgyttcc cggytggagt gcantggcat ggatctaact nt 1062
```

<210> 704

<211> 865

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (685)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (831)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (847)

<223> n equals a,t,g, or c

<400> 704

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gagagaacta gtctcgagtt tgtttctctt atatgcccac cattttttca tatatatatg 60
atttgatttt atatacacat atgtatacat attatatata aatatatatg tgtatacata 120
```


tatgtgtgta tatctatgaa tcaaacatac tgtttctggt ggagatgggt cagaattata 180
aagattatct gaatctttat ctgtgagcag tctccaagka agaagttgmr aggtgaagcc 240
tttgactgct gtcattgtctg aggtcattcc aaggacatgg gagactgctg tccatgggtg 300
gatcctctta acatcagcag agttctgtca agttacttag ctttcaactgg ggcagctcta 360
gcattccatt aattcaaaaat gktgtcctta atataagcct ctamcattta aaataaaaaat 420
tttaaagtga tccattaagg gaataattac atattgaatt cctaagaaat aagaattatt 480
tgggtggttt tttctagata gaataaacac aagagctgga ctatatatac tgttgatac 540
acttttttaa ctggcatttt yagttacttg tgatttttcc aggaaaaata aaaatgaatt 600
aaagtgggac agtggacttc taattggttt tgtcttttga ttacatttga ccatcaacaa 660
tgatgtaagc cttggataga atgtngcccc tcagtgtccc acttaaatct cttggtaaac 720
ctttggtgta tacacttcat tgtgcttttt ggaatgactc taaaagccca taaactaatg 780
ctttgcaaag cctaaataaa aatgggtgca gcctgtatta ggaaccactt nccttttatg 840
gtcctgnatg taaatagggg gtttt 865

<210> 705

<211> 1383

<212> DNA

<213> Homo sapiens

<400> 705

gctgtggagc ggctgccggc gtttcggggc ggcctcggc tgccctgccg gcggtctccg 60
ggctcctcgc cagaccggcc accggagctt gacctcctgc atcgacctt ccatgggact 120
taatgaagag cagaaagaat ttcaaaaagt ggcctttgac tttgctgccc gagagatggc 180
tccaaatatg gcagagwggg accagaagca tgtgtgcctg gatgattgat agcttcggaa 240
atgaggaaca gaggcacaaa ttttgcccac cgctctgtac catggagaag tttgcttctt 300
actgcctcac tgaaccagga agtgggagtg atgctgccts tcttctgacc tccgctaaga 360
aacagggaga tcattacatc ctcaatggct ccaaggcctt catcagtggg gctgggtgagt 420
cagacatcta tgtggtcatg tgccgaacag gaggaccagg cccaagggc atctcatgca 480
tagttgttga gaaggggacc cctggcctca gctttggcaa gaaggagaaa aaggtggggg 540
ggaactccca gccaacacga gctgtgatct tcgaagactg tgctgtccct gtggccaaca 600
gaattgggag cgagggggcag ggcttcctca ttgccgtgag aggactgaac ggagggagga 660
tcaatatgtc ttctgctcc ctgggggctg cccacgcctc tgtcatcctc acccgagacc 720
acctcaatgt ccggaagcag tttggagagc ctctggccag taaccagtac ttgcaattca 780
cactggctga tatggcaaca aggtggtgg ccgcgcggct gatggtccgc aatgcagcag 840
tggtctctga ggaggagagg aaggatgcag tggccttgtg ctccatggcc aagctctttg 900
ctacagatga atgctttgcc atctgcaacc aggccttgca gatgcacggg ggctacggct 960
acctgaagga ttacgctgtt cagcagtacg tgccgggactc caggggtccac cagattctag 1020
aagagctgtt ctggcagggg cctggaggtc agagccgcag ctctgctctt ttcggggggc 1080
ctcagattcc tctgctgctg cccttttcct ctggagatct gcgagaaggg tgaactgaga 1140
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acgtggttct cagggatcca agaacagtga tggacaaggc aaatgtgagc cagtatggct 1260
atcagtagct ctatatgat tatcagccag atggcctaaa agatacctgt ctcaatatta 1320
ctagtgtatt tttcaataaa ataaaccatc actaaaaaaa aaaaaaaaaa aaaaaaaaaa 1380
aaa 1383

<210> 706

<211> 1155

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (36)

<223> n equals a,t,g, or c

<400> 706

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agaggaggaa caagaagatg aggaagaaat cgatgttggt tctgtggaaa agaggcaggc 120
tcctggcaaa aggtcagagt ctggatcacc ttctgctgga ggccacagca aacctcctca 180
cagcccactg gtcctcaaga ggtgccacgt ctccacacat cagcacaact acgcagcgcc 240
tccctccact cggaaggact atcctgctgc caagaggggtc aagttggaca gtgtcagagt 300
cctgagacag atcagcaaca accgaaaatg caccagcccc aggtcctcgg acaccgagga 360
gaatgtcaag aggcgaacac acaacgtctt ggagcgccag aggaggaacg agctaaaacg 420
gagctttttt gccctgctg accagatccc ggagttggaa aacaatgaaa aggcccccaa 480
ggtagttatc cttaaaaaag ccacagcata catcctgtcc gtccaagcag aggagcaaaa 540
gttcatttct gaagaggact tggtgctgaa acgacgagaa cagttgaaac acaaacttga 600
acagctacgg aactcttggt cgtaaggaaa agtaaggaaa acgattcctt ctaacagaaa 660
tgtcctgagc aatcacctat gaacttggtt caaatgcatg atcaaattgca acctcacaac 720
cttggtgag tcttgagact gaaagattta gccataatgt aaactgcctc aaattggact 780
ttgggcataa aagaactttt ttatgcttac catctttttt ttttctttaa cagatttgta 840
tttaagaatt gtttttaaaa aatttttaaga tttacacaat gtttctctgt aaatattgcc 900
attaaatgta aataacttta ataaaacgtt tatagcagtt acacagaatt tcaatcctag 960
tatatagtac ctagtattat aggtactata aaccctaatt ttttttattt aagtacattt 1020
tgctttttta agttgatttt tttctattgt ttttagaaaa aataaaaataa ctggcaaata 1080
tatcattgag ccmaatctta aaaaaaaaaa aaaaaagggtc gagccggccg gctaattagt 1140
agtagtaggc gccgc 1155
```

<210> 707

<211> 1417

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (1378)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1392)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1399)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1404)

<223> n equals a,t,g, or c

<400> 707

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tgagaccctg tctcaataat aataataata ataataatag taataatgaa gtaaattggga 60
taaggaaaga argataatta tcttttaaagg ttgattccca cctccctcc ccagttactt 120
aaggaaactaa gtgagtacat ctccagttgc ccatgaaagc ataagtttgt tttcctcagc 180
tgaggcaagt ggtagagtat acaggataac gaagtaacat gtaaaaggca ggacgcacat 240
aaagggtgtac atggctattg tttcacctgg agaaaccaca tgattgggac ctgaagggtt 300
actgactgac tacaggggct gattgtgaag cacgagggaac cccatgtgtg tggagactgt 360
aggggtgagag cacacaatta ttagcatcat ttctgagtga tctcacagat tttttttctt 420
gtgtttgttt tgctttttga caactgcttc tcccacgttc cttgcaattc tattctctca 480
ccttcacttt actatttgta ttcgatggac caggataatt caggcaagggt taccttgtaa 540
acttgaattg gccacacacc atgttgctac ccagctggct atgaagtga taatgggtact 600
gaaagtaaac ctgaagacct ttctcagatc ttttttaagt ctgagctga ccaaccatgg 660
aaaatattcg acatgaatta atgtagagaa ctataaagca tttatgacag ctccaagaaa 720
aatcatctac tctatgcagg agatatgttt agagacctct cagaaaaact tgcctgggtt 780
gagggtacac agtaccattt taatcttctg aaaatatctg tattcctgct ctttttctgc 840
tgtcactgtc aatctgctat atttttcact atcctattaa aatattactg tctcctttat 900
ctgttcaatg tccatatttt aaaaaaatct tccttgatg agctattctg atccaaataa 960
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aagtcagctg cagaacaatg gggctgawtc ytctgctttt tctctggaaa atctttcatt 1140
gcttttggtg gaaatttacc tagagggttac aaccacagga tgtagcttgg tctcttattt 1200
gcctttttgg gaaaccaatt aagattaata caggataaag gaaaaaagca atctattcat 1260
tatataacac agttgtttgt attacttgtt ccctgcaaag gcaaactctgt tgaatgcttg 1320
cattttggaa ttcttttcta ataggaacaa ccaaaaaagg gcttcttatg ggtgcagncg 1380
ggaaaaaagg tncattttnt tggnttgcat tcttaac 1417
```

<210> 708

<211> 948

<212> DNA

<213> Homo sapiens

<400> 708

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ggtagacagt gtgtctcact aggggtgggtt atcagaaaaa ggctctacaa agtgacattt 60
aaagactgag aggaaaggag agagttgtat cctaccaatg attgcctccc ctctcccaca 120
tattaatgta ttacttaaag gaactgattt tttaaaattg gattgaatca tggaaacatt 180
ctttgagaat atggaaataa tttaatattt ttcccgtttc cagctcttca gctgtaacag 240
tgactcaaaa tcaattacat taagattagt ttttttggtt tgggtttttt ttttaagwact 300
ttgtgcttta aatataagkg aaaatactgk atttactttt gtgtgcttcc atctgaacta 360
aagtttccca tggygcttac cgagttaggt ctggctctgg gagaggagtg gacagcagct 420
ggttgagata catccccatc tggagacagg actgccactg acagaagatg tgagctgtgt 480
ctaagtccag tcttgtgccc agccgtgtct ggccttcac tctttggaac tctgcataca 540
acatcttagc accatcttcc tgcagctctt ccttacctaa ataaagaaac agcccaaggg 600
cagtatttct aaaagcactg taacagcttt tcatcttctc cacatatact acaaattcta 660
taaagaaaga aattaattta aaaaaactaa gatgtttttt tcttctggct tcataaatgc 720
cttgctgtat aaattgaaat attgatactg aactgtcttt ttaatgatga cctaacttta 780
ttcaacccat cggaatttac tttttccctg aaataagatc ttttccactg gtctactacc 840
tgaccataaa catgtctgca tttgaattct ctaaacccta aatctgtgtc tatgaaaaat 900
acaaatgact attaaatatt attctcttta ctgttctctt tcaccgaa 948
```

<210> 709

<211> 1329

<212> DNA

<213> Homo sapiens

<400> 709

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ccgggttggt cgggtcctgt caatgtcacg ttctgccatt actgcaatag ccacatctgt 120
gtgtcacggc ccaccctgtc gccagcttca tcatgccctc atgcctcatg ggaaagggtg 180
acgttcctca gtcagtggga ttgtggccac tgtgtttgga gcaacaggat tcctggggcg 240
atatgttggt aaccaccttg gacgcatggg gtcacaggta atcataacct atcgggtgtga 300
taaatatgac atcatgcacc ttcgtcccat gsgtgacctg ggccagcttc tgtttctgga 360
atgggacgcg agagataaag attctatccg acgagtagta caacacagca atgtgggtcat 420
caatcttatt ggacgagact gggaaaccaa aaactttgat tttagaggatg tttttgtgaa 480
gattccccaa gcaattgctc aactgtccaa ggaagctgga gttgaaaaat tcattcatgt 540
ttcacatctg aatgcgaata ttaaaagctc ttctagatat ttgagaaata aggctgttgg 600
agagaaagta gtgagagatg catttccgga agccattatc gtaaagccgt cggacatctt 660
tggaagagag gatagattcc ttaattcttt tgcaagtatg catcgggttg gtcctatacc 720
ccttggttcc ttgggctgga agacagttaa acaaccagta tatgtcgtag atgtatccaa 780
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gttcctccca ttcccttgc cgctttttgc ctatcgatgg gtagcaagag tctttgaaat 960
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gaaattgcct cacctgcctg gcttagaaga ccttggtatt caggcaacac cactggaact 1080
caaggccatt gaggtgctgc ggcgtcatcg cacttaccgc tggctgtctg ctgaaattga 1140
ggatgtgaag ccggccaaga ccgtcaacat ttagtgctc ctgagcagct cttgggtttg 1200
gcgtcttttg ggtcggccca tgtggtttga gcaccagcc aggcggtctc tttagaggat 1260
cctgtacaca gttccactat taaaacattt caggttgaaa aaaaaaaaaa aaaraaaaaa 1320
raaaaaaaaaa                                     1329
```

<210> 710

<211> 534

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (529)

<223> n equals a,t,g, or c

<400> 710

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attctgactt tggttttgat tctggtttgg tataaactgt aaaagtgtgt gtgtgccctt 60
tttacctgtt ctttggtttg tgggtgtgtg atggtgtgag tgtggtgttt tgtcttgagg 120
aagcatgggt caggcacaaa gtaagccac cccaccagga actatgttga aaaatttcaa 180
gaaaggattt ragggagatt acggtgttac tatgacacca ggaaaactta ggactttgtg 240
tgaaatagac tggccagcat tagagggtgg ttggccatca gaaggaaagcm trgacaggtc 300
ccttgtttca aaggtatggc acaaggtaac ctgtaagcca gsgtgcccag accagttccy 360
gtacatagac acttggttac agctggtttt agrcccttcc tccccccacg gtggttgaga 420
gaacagcagc ataagcagct ggcagaggca aggaaagacc agcaaagaga cagagaagaa 480
agagacagga aaagaggcaa agagagagaa gaagagagag aggaagagnc agag 534
```

<210> 711

<211> 1143

<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (14)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (41)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (77)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (1110)
<223> n equals a,t,g, or c

<400> 711
aaatgctcca ggnatcgtc ccaacaactt aaaggaggct naacacctgt tgcacgcctg 60
ctcatggcag cgcttgnaga aatgactggg ggagtcacag gaggtcgggg acgcagcggg 120
ctccaggctc cagaaacctc cttagccttt tgtggtaact ttgggtccggc ggcggggggc 180
cggtgagcag gaactggagg gaggcggtgg ggaaaccgtg gatecgtccg gctgaggggtg 240
cgtggatcag actgggctga gcaggcaagt catcgtcggg tcacagcgag gcgacccagg 300
agcgaacttc cagggcagcc tcccttttgt tggcgctggg agagaatgtg ggcatggggg 360
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gccccaaagga aggggcggcg tscmcatggt tacccttctg tgcgcgggtc aagtagcttc 480
ttctggaggg cgcaaggcgc ggcgggggtg atgagccctt gggttctcgc tccgactgct 540
aaattcgctt ggccgggtcc accttctcgt ggcctcactc gccacacgga tcagaatccg 600
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ctgatataca taggagagaa actgatagaa gaattctgat ggcaactgta tgatagaagc 840
tatataaagt caagtgtcca ttttctttca actatatattg agcataccca ggrtttaagt 900
cgtggaactg aacattttatt tggctgatcc tcatcatgaa ccgtgctttt agcaggaaga 960
aagacaaaac atggrtgwt acacctgaag ctttatcaaa acatttcwtt ccctataatg 1020
caaagtttct tggcagtaca gaagtggaa agccaaaagg aacagaagtt gtgagagatg 1080
ctgtaaggaa actaaagttt gcaagacatn tcaagaaatc tgaaggccaa aaaaaaaaaa 1140
aag 1143

<210> 712
<211> 3779
<212> DNA
<213> Homo sapiens

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<221> misc feature

<222> (3758)

<223> n equals a,t,g, or c

<400> 712

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<211> 1036

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<213> Homo sapiens

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<222> (25)

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<222> (54)

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<221> misc feature

<222> (1017)

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<400> 713

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<210> 714

<211> 4443

<212> DNA

<213> Homo sapiens

<400> 714

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aac 4443

<210> 715

<211> 2099

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (2096)

<223> n equals a,t,g, or c

<400> 715

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<210> 716

<211> 574

<212> DNA

<213> Homo sapiens

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<221> misc feature

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<220>

<221> misc feature

<222> (537)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (547)

<223> n equals a,t,g, or c

<400> 716

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<211> 847

<212> DNA

<213> Homo sapiens

<400> 717

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<210> 718

<211> 2086

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (1863)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1913)

<223> n equals a,t,g, or c

<400> 718

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<211> 2418

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<222> (2401)

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<210> 720

<211> 2541

<212> DNA

<213> Homo sapiens

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<222> (1209)

<223> n equals a,t,g, or c

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<222> (2538)

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<222> (2540)

<223> n equals a,t,g, or c

<400> 720

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2541

<210> 721

<211> 2171

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

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<220>

<221> misc feature

<222> (1996)

<223> n equals a,t,g, or c

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<210> 722

<211> 1888

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (787)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1875)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1878)

<223> n equals a,t,g, or c

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<210> 723

<211> 980

<212> DNA

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<220>

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<223> n equals a,t,g, or c

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<210> 724

<211> 1812

<212> DNA

<213> Homo sapiens

<400> 724

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<210> 725

<211> 974

<212> DNA

<213> Homo sapiens

<400> 725

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974

<210> 726

<211> 1508

<212> DNA

<213> Homo sapiens

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<220>

<221> misc feature

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<210> 727

<211> 2004

<212> DNA

<213> Homo sapiens

<400> 727

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<211> 1470

<212> DNA

<213> Homo sapiens

<400> 728

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<210> 729

<211> 1755

<212> DNA

<213> Homo sapiens

<400> 729

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<211> 437

<212> DNA

<213> Homo sapiens

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<210> 731

<211> 3663

<212> DNA

<213> Homo sapiens

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<211> 2017

<212> DNA

<213> Homo sapiens

<400> 732

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<210> 733

<211> 2004
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<210> 734
<211> 1128
<212> DNA
<213> Homo sapiens

<220>

<221> misc feature
<222> (1105)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (1117)
<223> n equals a,t,g, or c

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<211> 772
<212> DNA
<213> Homo sapiens

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<222> (661)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (693)
<223> n equals a,t,g, or c

<220>
<221> misc feature
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<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (741)

<223> n equals a,t,g, or c

<400> 735

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<210> 736

<211> 1099

<212> DNA

<213> Homo sapiens

<400> 736

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<210> 737

<211> 3219

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature
<222> (3212)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (3215)
<223> n equals a,t,g, or c

<400> 737

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<210> 738

<211> 849

<212> DNA

<213> Homo sapiens

<400> 738

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<211> 2069

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (2046)

<223> n equals a,t,g, or c

<400> 739

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<210> 740

<211> 1567

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (1532)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1548)

<223> n equals a,t,g, or c

<400> 740

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<210> 741

<211> 2829

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (74)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1523)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1728)

<223> n equals a,t,g, or c

<400> 741

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<210> 742

<211> 926

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (30)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (460)

<223> n equals a,t,g, or c

<400> 742

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ctaggggaga agccccgggtt ggggctgggt tccggcctat gctgccctcc cagggggctc 180
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caaagagcct gcctgttccc gccccacctg gggaaatggg gaccacgcct tctgctccac 360
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gaccctgggtg gccaagacag aagaga                                     926
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<210> 743

<211> 1017

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (599)

<223> n equals a,t,g, or c

<400> 743

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caagcagtg cagaggccct cagaaaggga ttagggtaga tgattgcaac tgaaacacaa 840
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tcttctttct ttgccagggg attttggggg ttttgcccca aaatataccc tgggcatagc 900
attactgcag tcttggatgt ctaccccaaa cttccacacc atccttcgac ccacagctgc 960
acctttatct atttatcttg ctccagcctg ggggacagag tgagacttcg tctcggg 1017

<210> 744

<211> 361

<212> DNA

<213> Homo sapiens

<400> 744

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cggagaaaagg cgaggctttc gggctctgca gaggtagagt tagcaagtgt ccggctccag 120
ccggcatgga ggatccacag agtaaagagc ctgccggcga ggccgtggct ctgcgctgc 180
tggagtgcgc gcggccggag ggcggggagg agccgcgcgc tcccagtcgc gaggaaactc 240
aacagtgtaa atttgatggc caggagacaa aaggatccaa gttcattacc tccagtgcga 300
gtgacttcag tgaccgggtt tacaagaga ttgccattac gaatggctgt attaatagaa 360
t 361

<210> 745

<211> 1936

<212> DNA

<213> Homo sapiens

<400> 745

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<210> 746

<211> 1619

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (1565)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1567)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1568)

<223> n equals a,t,g, or c

<400> 746

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<210> 747

<211> 492

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (54)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (476)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (491)

<223> n equals a,t,g, or c

<400> 747

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gccccattgg nt 492

<210> 748

<211> 603

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (598)

<223> n equals a,t,g, or c

<400> 748

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<210> 749

<211> 2045

<212> DNA

<213> Homo sapiens

<400> 749

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<210> 750

<211> 1144
<212> DNA
<213> Homo sapiens

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<223> n equals a,t,g, or c

<220>
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<222> (1121)
<223> n equals a,t,g, or c

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<222> (1130)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (1137)
<223> n equals a,t,g, or c

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<210> 751
<211> 1598
<212> DNA
<213> Homo sapiens

<400> 751

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<210> 752
<211> 1485
<212> DNA
<213> Homo sapiens

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<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (1382)
<223> n equals a,t,g, or c

<220>
<221> misc feature

<222> (1429)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1436)

<223> n equals a,t,g, or c

<400> 752

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<210> 753

<211> 1756

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (1740)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1756)

<223> n equals a,t,g, or c

<400> 753

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<210> 754

<211> 1795

<212> DNA

<213> Homo sapiens

<400> 754

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<210> 755

<211> 1280

<212> DNA

<213> Homo sapiens

<400> 755

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<210> 756

<211> 3665

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (3654)

<223> n equals a,t,g, or c

<400> 756

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<210> 757

<211> 1221

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (1071)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1081)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1201)

<223> n equals a,t,g, or c

<400> 757

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<210> 758

<211> 631

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (630)

<223> n equals a,t,g, or c

<400> 758

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aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa c 631

<210> 759

<211> 2496

<212> DNA

<213> Homo sapiens

<400> 759

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<210> 760

<211> 2048

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (1957)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1963)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (2006)

<223> n equals a,t,g, or c

<400> 760

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<210> 761

<211> 1757

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (1728)

<223> n equals a,t,g, or c

<400> 761

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ctagtttccc tagagtcatt ttgaaacca ctgattgcaa acctccctga caatttttaa 180
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<210> 762

<211> 4448

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (3)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (920)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (4433)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (4446)

<223> n equals a,t,g, or c

<400> 762

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<211> 2890

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (20)

<223> n equals a,t,g, or c

<400> 763

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<210> 764

<211> 1703

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (368)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (860)

<223> n equals a,t,g, or c

<400> 764

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<210> 765

<211> 262

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (156)

<223> n equals a,t,g, or c

<400> 765

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gacacttctc tctcctgtgt gtagttgata gtttggtggt gaagagatgg ctgacagtgt 240
caaaaccttt ctccaggacc tt 262
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<210> 766

<211> 3072

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (3072)

<223> n equals a,t,g, or c

<400> 766

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<210> 767

<211> 1321

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (1321)

<223> n equals a,t,g, or c

<400> 767

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<210> 768

<211> 1532

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (1523)

<223> n equals a,t,g, or c

<400> 768

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<210> 769

<211> 2569

<212> DNA

<213> Homo sapiens

<400> 769

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<210> 770

<211> 1637

<212> DNA

<213> Homo sapiens

<400> 770

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aaaaaaaaaa aactcga 1637

<210> 771

<211> 2485

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (2479)

<223> n equals a,t,g, or c

<400> 771

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<210> 772

<211> 432

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (378)

<223> n equals a,t,g, or c

<400> 772

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ggaggaagaa ca 432

<210> 773

<211> 1048

<212> DNA

<213> Homo sapiens

<400> 773

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ttagcagagt accactagta atgcacaaac atgtacaata tggtcattca taaccgattt 180
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<210> 774

<211> 1019

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (971)

<223> n equals a,t,g, or c

<400> 774

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<210> 775

<211> 2248

<212> DNA

<213> Homo sapiens

<400> 775

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ccgaakccca kgakcccggg gcgcccgcgg cgggcatgag gcggcgccgg cggctgcagc 180
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<210> 776

<211> 1605

<212> DNA

<213> Homo sapiens

<400> 776

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<210> 777

<211> 1808

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (1457)

<223> n equals a,t,g, or c

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<221> misc feature

<222> (1806)

<223> n equals a,t,g, or c

<400> 777

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ccacccctct ggaggccatg aaaggaccca gggaagagat cgtctacctg ccctgcattt 180
accgaaacac aggcaactgag gccccagatt atctggccac tgtggatgtt gaccccaagt 240
ctccccagta ttgccaggtc atccaccggc tgcccatgcc caacctgaag gacgagctgc 300
atcactcagg atggaacacc tgcagcagct gcttcgggtga tagcaccaag tcgcgcacca 360
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cccgggcccc aaagctgcac aaggtcattg agcccaagga catccatgcc aagtgcgaac 480
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gagacgtcaa gggcaatggc aaagggggtt ttgtgctgct ggatggggag acgttcgagg 600
tgaaggggac atgggagaga cctgggggtg ctgcaccgtt gggctatgac ttctgggtacc 660
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gcttcaaccc cgctgatgtg gaggctggac tgtacgggag ccacttatat gtatgggact 780
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gtgctgcttt tccatgagct cttggaggca ccaagaaata aactcgtaac cctgtccttc 1740
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<210> 778

<211> 1484

<212> DNA

<213> Homo sapiens

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<222> (1405)

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<220>

<221> misc feature

<222> (1479)

<223> n equals a,t,g, or c

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gcttgagttt tgattcatca tggataatct gtcatacaga gaaattcaac agagagctca 180
ccagattact gatgagtctc tggaaaagtac gaggagaatc ctgggttttag ccattgagtc 240
tcaggatgca ggaatcaaga ccatcactat gctggatgaa caaaagggaac aactaaaccg 300
catagaagaa ggcttggacc aaataaataa ggacatgaga gagacagaga agactttaac 360
agaactcaac aaatgctgtg gcctttgtgt ctgcccatgt aatagaacaa agaactttga 420
gtctggcaag gcttataaga caacatgggg agatgggtgga gaaaactcac cttgcaatgt 480
agtatctaaa cagccaggcc cggtgacaaa tggctcagctt cagcaaccaa caacrggagc 540
agccagtggg ggatacatta aacgcataac taatgatgcc agagaagatg aaatggaaga 600
gaacctgact caagtgggca gtatcctggg aaatctaaaa gacatggccc tgaacatagg 660
caatgagatt gatgctcaaa atccacaaat aaaacgaatc acagacaagg ctgacaccaa 720
cagagatcgt attgatattg ccaatgccag agcaaagaaa ctcatgaca gctaaagcta 780
ctgctgttct tctttatcat ttattcactt ccgtagctcc tccttgaaag ttattacctt 840
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ccttccttct agtattttct ttctcaattc atacgcttag attggttttc atatgtcatg 1020
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agttttcttt cttttttttt ttttngggag tcagagtctc gctcyctgk ccmrggctgg 1440
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<210> 779

<211> 1343

<212> DNA

<213> Homo sapiens

<220>

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gaatgcgtgt gcctccacac gggctctgggc atccggactg ataaccagcc ggccagactg 180
agggatggaa ggcactgaga tggggggcccg tccaggcgga caccgcgaga aatggagctt 240
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ctccctctct cctcctcagc ctggtctttc tctttggtgc acacttagtt attgttgtga 360
gcaatggaag ttcaaaggaa ctccctctcc agctcttctg aatcttggga cacagcctaa 420
aaaggacaaa aagttagaag acagcatagc aactcagctc agggagctac cagagaaaaa 480
tagcaactga tgtgggtgct tttttttttt ttttaatttg aataaaaaga attagaagtg 540
atgtcctttt ataaaatgcc ttctccccct tccgcctac agtctcttcc tctccctta 600
gaggggggaa agtgtataaa cctacagggt tgtgagctctg aaaagaggat cccctcacc 660
cccaccctgg gcagagcagt ggggggtggg ggggtggaga gggggacaca gatcctggca 720
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gataattttt atactgcatt tttatggatt attttgtaat gtgtgattcc gtctgctgag 1020
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tctagccaga agggaggggtg agggtagaag aaagtatttc ccgaagaaaa aaagaatgaa 1260
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<210> 780

<211> 453

<212> DNA

<213> Homo sapiens

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<222> (225)

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<222> (258)

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agacactgtc tctacaaaaa aaaggaagga agggacacat atcaaactgn aacaaaatta 180
gaaatgtaat tatgttctaa gtgcctccaa gttcaaaact tattngaagtg ttgagagttt 240
ggttacggaa ttcgggttngg ggggccaaaag gggtgtttta gntttttnaat nccggtntnt 300
ttcgggnaac ccttggggaat ttttggggct ccttgtagnn ncccccttt nggagggggg 360
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ngttnggntn nnnnggtttt ttngggtttt ttt 453

<210> 781
<211> 498

<212> DNA
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aagagagcga gaccctgtct caataaataa ataaataaat aaataaataa ataaataaaa 180
acaaagttga ttaagaaagg aagtataggc caggcacagt ggctcacacc tgtaatcctt 240
gcattttgga aggctgaggc aggaggatca ctttaggcct ggtgtgttca agaccagcct 300
ggtcaacata gtgaggacac tgtctcttac caaaaaaagg aggggaaggga cacatttcaa 360
atgaaacaaa ttagaatgtt atttatgttc taagtgcctc cagttcaaaa ttttttgat 420
ntttgagntn tggttacgga atacgttagg gggccaaang gatttgtaag tctttaatgc 480
cgtttttttca gaaaccta 498

<210> 782
<211> 541
<212> DNA
<213> Homo sapiens

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<222> (29)
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<400> 782

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tttttgtatt tttagtagag acagagtttc accatggttg ccaggctggt cttggaactc 240
ctggaccttg tggatccacc cacctcggcc tcccagagtg ctggggatta cagggcatga 300
gccaccacgg cttgggctna aggaacacct aanttttatg tttcttgggn tcaaaaacca 360
gtttccattc nnangttgtc ctcaacaagan ggttantggt ggtggagaca gcaggggagg 420
gaggggaagag ngtggtttgt aantggttca antcaggcan taagcgattt tagctttaat 480
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<210> 783

<211> 586

<212> DNA

<213> Homo sapiens

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<222> (577)

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<400> 783

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agcgggctga cgggcgcata gtcaagatgn aggtggacta cagcgccacg gtggatcagc 180

gcctaccgga gtgtgagant agccaaggaa ggaagacttc aagaagtcac tgaaaccctt 240
ctctctcttg aaaagcagac tcgtactgct tccgatatgg tatcgacac ccgtatctta 300
gttgccagta gtggaagatg tgctaatan ggctaaaaga atgggattta anttaatgna 360
aaatgattat gcntttgtcc caaaaggcgg attcagttta aaacaagctg ttgccccaaa 420
tggttncaac atggncgtac nttatgtttg aaggaaantc acagaacntt cccatccaaa 480
cnttngattn aattgataat cccacgaatg ggtttaccga ggccaagatt ttatgttgga 540
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<210> 784

<211> 226

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (20)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (208)

<223> n equals a,t,g, or c

<400> 784

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aagcgtgaca ttcaggaaaa cgatgaagag gcagtgcag tcaaagagca gagcatcctg 180
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<210> 785

<211> 356

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (6)

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<221> misc feature

<222> (176)

<223> n equals a,t,g, or c

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<222> (180)

<223> n equals a,t,g, or c

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<221> misc feature

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gagcagggtt tccccttggg cctcggagca agtttcaccg aagatgctcc cccgancccn 180
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<210> 786
<211> 512
<212> DNA
<213> Homo sapiens

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ccctctgcag caatggccac cggcgggctg ccacacggac ttccccctgg ggacggcant 180
tccccagcag gacttacccc ggaccctggg tcttgaggga agtgctgagc agcaggggac 240
tgttcaccct gccctgccgg tttcctnccg ggtttccatc cccaccgggg ggcccaattt 300
acccatnnet ttcctngncc ccattcagat gcagccgnaa gttnccggnn gttncattaa 360
ccaagggggt tatgccaaacc ggttnctgga tqccaaagga ggcccaagtc aaaggggggn 420
aaggaggttg tgggcccccg aaaaggaccg gcaaccanat tttgattang gggtttggga 480
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gctaaaatcc ttatttgtcc ggaaagttga tccaagaaaa gatgccact ccaatctcct 180
atccaaaaag gaaacaagca atctatacaa attacagttt cacaatgtta aaccggaatg 240
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agttttctat gccagtggt cctgacttcg aaacgctatt ctcacagggt cagctcttca 180
tcagcacttg taatggggag cacattcgat atgcaacaga cacttttgct gggctttgcc 240
atcagctaac aaatgcactt gtggaaagaa aacagcccct gcgaggaatt ggcataccta 300
agcaagccat agacaagatg cagatgaata caaaccagct gacctcaata catgntgatc 360
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tccacctctg gggcgcatte caaccttcca gcctgcgacc tgcggagaaa aaaaattact 180
tattttcttg ccccatatcat accttgaggc gagcaaaaaa attaaatttt aaccatgagg 240
gaaatcgtgc acatccaggc tggtcagtgt ggcaaccaga tcggtgccaa gttctgggag 300
gtgatcagtg atgaacatgg gcatcgaccc caccgggcac ctaccacggg ggacagcgac 360
ctgccagctg ggaccgcatn ttctgtgtac tgacaatgga agccacaggc ggnaaatgat 420
gtttcctcgt ggccatcctg gtgggatctn agaacctggg naccatggaa tctggttgng 480
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<210> 790

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<212> DNA

<213> Homo sapiens

<400> 790

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tcggttttgg gccgggggtc gcttttcgcg cgcccagcat tcacgggggc tccggcgggc 180
ggggcgatc cgtgtcctcc gcccgctttg tgcctcgtc ctccctcggg ggctacggcg 240
gcggctacgg cggcgctcctg acccggtccg acgggctgct ggcgggcaac gagaagctaa 300
ccatgcagaa cctcaacgac cgcctggcct cctacctgga caaggtgcgc gccctggaag 360
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caggctatat	ttgaaatact	ggagaaatcc	tggttgcccc	agaattgtac	actggttgat	180
atgaagattg	aatttggtgt	tgatgtaacc	accaaagaaa	ttgttcttgc	tgatgttatt	240
gacaatgatt	cctggagact	ctggccatca	ggagatcgaa	gccaacagaa	agacaaacag	300
tcttatcggg	acctcaaaga	agtnactcct	gaagggtccc	aaatggtaaa	gagaaacttt	360
gagtgggttg	cagagagagt	agagttgctt	ttgaaatcag	anagtcagtg	cagggttgta	420
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atcaagatca tcgcaccccc agagcgcaag tactcggtgt ggatcggtgg ctccatcctg 180
gcctcactgt ccaccttcca gcanatntgg attacaagca ggagtacnac aantcgggnc 240
cctccatcgt ccaccgcaaa tgcttctaac ngactencan atgcttacca ttgctgcatg 300
ggttaattaa naataaaaaan tttgcccctg gcaaatgcac acacctcatg cttacctccc 360
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aggacttcct ggcaggtgga gtggccgcag ccactctcaag acggcggtan gcccatcgag 180
cgggtcaagc tgctgctgca gttgcaatgc cagcaagcag atcactgcag ataagcaatg 240
caaaggcatt atagactgcg tggctccgtat tccaaggag caggattctg tccttctggc 300
gcnctaactg gccatgtcat cagatantnc ccancaggt tcttaatttc gnccttcaag 360
nttaatacaa gcanatnttc nggggtgggtg tggnacanga gaacccattt tggggctaag 420
ttgcagggaa tttgggcacg ggggtgggtcc ncggggggcca aattccnggg ttttgngtaa 480
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gaaggaggaa aggggtgctgc tggtcctcct gggccacctg gtgctgctgg tactcctggt 180
ctgcaaggaa tgcctggaga aagaggagggt cttggaagtc ctgggtccaaa ggggtgacaag 240
ggtgaaccag gcggtccagg tgctgatggg gtcccaggga aagatggccc aaggggtcct 300
antggtccta ttggtcctcc tggcccagtt ggccagcctg gagataaagg gtgaagggtgg 360
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ccgcccgcgc catgggctgc acgttgagcg ccgaagacaa ggcggcagtg gagcgatgaa 180
gnatgatcga ccgcaactta cgggaggacg gggaaaaagc ggccaaagaa gtgnaagntg 240
ctgctacttc ggtgctggag aatctggtta aaagcaccat ttgtgagaca gatgaaaatc 300
atttcatgag gntgggtatt cagaggtnga atgttaaaca atattaaagt tagttntttt 360
ncagcatnnt tgttncagtg centcattgc aatnttnagt ggccttgggg ngggtnaaaa 420
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<212> DNA

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tagataaggc tggcaccttg gccccccggg agctgggtgct ggtgggtccag gtgcataacc 180
ggcccgaata cctcagactg ctgctggact cacttcgaaa agcccaggga attgacaacg 240
tcctcgtcat ctttagccat gattctgggtc gaccgagatc aatcagttga tcgccggggt 300
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aacgagtttt ccagtaagtg gaccncagag gatttntccc agagaacntn ccgaagaatg 420
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tcgccagctg gcgtaatagc gaagaggccc gcaccgatcg cctttcccaa cagttgcgca 240
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tacgcgcagt gaaccgctac acttgccagc gccctagcgc ccgctccttt cgctttcttc 360
ccttcctttc tcgccacgtt cgccggcttt ccccgtaag ctctaaatcg ggggctcctt 420
tanggttccg atttagtgct ttacgggcac ctcgacccca aaaaaacttg attangggta 480
atggntcacg tantngggcc atcgccctga tagacgggtt ttcgcctttg acgttnngnt 540

ccacgttctt aataagtggg atcttggtca aaactggaan aacactcaa

589

<210> 798

<211> 169

<212> DNA

<213> Homo sapiens

<220>

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<222> (169)

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atccaagctt acgtacngcg catgcacgtc atagctcttc tatagtgtca cctaaattca 120
attcactggc cgtcgtttta caacgtcgtg actgggaaaa cncntngnn 169

<210> 799

<211> 112

<212> DNA

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<222> (111)

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<400> 799

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agctaaattc aattcactgg ccgtcgtttt acaacgtcgt gantgggaan nc 112

<210> 800

<211> 424

<212> DNA

<213> Homo sapiens

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caccttctgt atctacaaac gatgcagaca cccaggagag ttacgtaatg ggcaagtaga 180
gattaagaca gatttatctt ttggatcaca aatagaattc agctgttcag aaggattttt 240
cttaattggc tcaaccacta gtcgttgatg agtccaagat agaggagttg gctggagtca 300
tcctctccca caatgtgaaa ttgtccaagt gtaagcctcc tccagacatc aggaatggga 360
aggcacagcg gnngaagaaa atttctacgc ntaanggggt ttctgtcacc taaagntggg 420
accc 424

<210> 801
<211> 249
<212> DNA
<213> Homo sapiens

<220>
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<223> n equals a,t,g, or c

<220>
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<222> (63)
<223> n equals a,t,g, or c

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<222> (101)
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<220>
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<222> (122)
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<222> (205)
<223> n equals a,t,g, or c

<220>
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<222> (242)
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gtnaggccat tgtngacaca ggcacttccc tcatggtggg nccggtggat gangtgcgcg 120
antgcagaag gccatcgggg ccgtgccgnt gattcanggc gagtacatga ncccctgtna 180
gaaggtgtcc accctgcccg caatnacact gaagctggga ggcaaaggct acaagctgtc 240
cncagagga 249

<210> 802

<211> 402
<212> DNA
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<222> (363)
<223> n equals a,t,g, or c

<220>
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<222> (383)
<223> n equals a,t,g, or c

<400> 802
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gaaactctga caggtgcctt attccagcga cccccactta ttgctgcagt aaagaggcag 120
ctccgagtga ggaccatcta cgagagnana aatgattgaa tacgatcctg aaagaagatt 180
aggaatcttt tgggtgagtt gtgaggctgg cacctacatt cggacattat gtgtgcacct 240
tggtttgtta ttgggagttg gtggtcagat gcaggagcct cggaggggttc gttctggagt 300
catgagtgan aaggaccaca tngtgacaat gcatgatgtg cttnatgctc agtggctgta 360
tgntaaccac aaggatgaga gtnacctgcg gggagttgct ta 402

<210> 803
<211> 542
<212> DNA

<213> Homo sapiens

<220>

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<222> (122)

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<222> (355)

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<400> 803

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gntnccgtgc cgttcagttg cccgccatgg ctgagctgga tccgttcggc gccctgccg 180
gcgcccctgg ggtncgcgcg ctggggaacg gatgnccggc gccggcgaag aagaccggc 240
tgcggccttc ttggcgcaaa gnagaagcga gattgcgggc atcgagaacg acgaggcctt 300
cgccatcctg gaacggcggc gcccccgggc cccaaccgca aggaaagtcc ggcgnggggt 360
tccgatgctg ttgnatggn taatgnaatg gtggattatn acnagnaaat taatgggttc 420
aacanaaatt atgcagtatt tcaaaatgga tcgattgcat caaaacctga aatatacctaa 480
atggaganag aaaatggaan nttgaancct taagccaatt tcggaancaa aaacaaatgg 540
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aa

542

<210> 804
<211> 422
<212> DNA
<213> Homo sapiens

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<220>
<221> misc feature
<222> (65)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (66)
<223> n equals a,t,g, or c

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<222> (67)
<223> n equals a,t,g, or c

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<222> (71)
<223> n equals a,t,g, or c

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<222> (116)
<223> n equals a,t,g, or c

<220>
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<222> (228)
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<220>
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<223> n equals a,t,g, or c

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<222> (303)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (363)
<223> n equals a,t,g, or c

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ggacnnncn ngtaactggtg gccgtggaca agggcgtggt cgtgctgaat aagaanaaca 120
aactgacgca gagtaagatc tgggacgtgg tggagaaggc agacatcggc tgcaccccg 180
gcagtgggaa ggattacgcc ggtgtcttct ccgacgcagg gctgaccnnc acgagcagca 240
gtggccagca gaccgcccag anggcagaac ttcagtgcc gcagccagcc gcccgccgac 300
gcngttccgt gcagctcacg gagaagcgaa tggacaaagt cggcaagtac cccaaggagc 360
tgngcaagtg ctgcgaggac ggcattcggg agaaccocat gaagtctctg tgccagggcg 420
gg 422

<210> 805
<211> 566
<212> DNA
<213> Homo sapiens

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<222> (359)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (519)
<223> n equals a,t,g, or c

<400> 805
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gaggggtggtt accgctgagg agctgcagtc tctgtcaaga tgatagaggt actgacaaca 120
actgactctc agaaactgct acaccagctg aatgccctgt tggaacagga gtctagatgt 180
cagccaaagg tctgtggttt gagactaatt gagtctgcac acgataatgg cctcagaatg 240

actgcaagac taagggactt tgaagtaaaa gatctttctta gtctaactca gttcttggct 300
tgacacagag acattttctct agctgtgaat tactggacag antcctgtct aaaatgaang 360
tacagcccaa gcacctgggt gtgttggact gagctgcttt tatttggctg taaaatcaat 420
agaagaggaa aaggatgtcc cattggcaac tgacttgatc cgaataagtc aatataaggt 480
tacgggttca gactyatgag aatgggaaaa attgtattng agaaggtgtg tttggaagtc 540
aagctactaa tgcctttcaa ttctgc 566

<210> 806
<211> 438
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (383)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (428)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (437)
<223> n equals a,t,g, or c

<400> 806
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cttcgacccc gccggaggag gagaccccat tctataccaa cacctattct gatttttcgg 120
tcacctgaa gtttatattc ttatcctacc aggcttcgga ataatctccc atattgtaac 180
ttactactcc ggaaaaaaag aaccatttgg atacataggt atgggtctgag ctatgatatc 240
aattggcttc ctagggttta tcgtgtgagc acaccatata tttacagtag gaatagacgt 300
agacacacga gcatatttca cctccgctac cataatcacc gcttatcccc accggcgctc 360
aagtattagc tgactcgcca canttccacg ggagcaatat gaaatgatct ggctgcagtg 420
ctctgagncc taaggant 438

<210> 807
<211> 236
<212> DNA
<213> Homo sapiens

<220>
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<222> (122)
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<220>
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<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (228)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (231)
<223> n equals a,t,g, or c

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tttcaacttta catccaaaca tcaactttggc ttcgaagccg ccgcctgata ctggcatttt 120
gnacatgtgg tttgactatn tccgtatgtc tccatctatt gatgaggggc ttaaaaaaaaaa 180
aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaanccng ggggggggnc nggacc 236

<210> 808
<211> 552
<212> DNA
<213> Homo sapiens

<220>
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<222> (375)
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<220>
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<220>
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<222> (405)
<223> n equals a,t,g, or c

<220>
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<222> (447)
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<220>
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<222> (473)
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<220>
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<222> (503)
<223> n equals a,t,g, or c

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<222> (512)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (516)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (543)
<223> n equals a,t,g, or c

<400> 808
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gctgcagccc tccatcctgc gggagggtcag cgaggagcac aacctgctcc cccagcctcc 180
tcggagtaaa tacatacacc cagatgacga gctgggtcttg gaagatgaac tgcagcgtat 240
caaactaaaa ggcaccattg acgtgtcaaa gctgggttacg gggactgtcc tggctgtggt 300
tggctccgtg agagacgacg ggaagtttct ggtggaggat tattgctttg ttgaccttgc 360
tccccagaag cccgnacccc cattgacaca gttagggtnt gttantgggtg tccggcctgg 420
gcctgggtgg cgttggaggc gagagcntgt tgggcaccca ttgttggtgg atntgggtgac 480
ggggcagttt ggggacgaag ggnagcatgc ancgngcca agtttcccgg ttatcctggt 540
tgnaacttct aa 552

<210> 809
<211> 380
<212> DNA
<213> Homo sapiens

<220>
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<222> (349)
<223> n equals a,t,g, or c

<220>
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<222> (359)

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<220>

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<222> (362)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (365)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (380)

<223> n equals a,t,g, or c

<400> 809

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cggcggaagc ggagaccatg ttccgagcgg cggctccggg gcagctccgg cgggcggcct 120
cattgctacg atttcagagt accctggtaa tagctgagca tgcaaagtat tccctagcac 180
ccattacttt aaataccatt actgcagcca cacgccttgg aggtgaagtg tcctgcttag 240
tagctggaac caaatgtgac aaggtggcac aagatctctg taaagtagca ggcatagcaa 300
aaagttcttg tggctcagca tgaatgtgta caagggctta cttccagang gaactgaana 360
cnatnatttt tggaactcn 380
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<210> 810

<211> 416

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (352)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (384)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (401)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (406)

<223> n equals a,t,g, or c

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<222> (407)
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<400> 810
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caaaggccct cttatgatgt atatttccaa aatgggtgcca acctccgaca aaggtcggtt 180
ctacgccttt ggacgagtct tctcggggct ggtctccact ggcctgaagg tcaggatcat 240
ggggcccaac tatacccctg ggaagaagga ggacctctac ctgaagccaa tccagagaac 300
aatcttgatg atggggccgct aagtgggaagc ccacggaagg atgtgccttg tngggacatt 360
ttgggcctcg tggcgttgga ccantccttg tgaaaacggg naccannaac aacttc 416

<210> 811
<211> 748
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (543)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (619)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (668)
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<220>
<221> misc feature
<222> (671)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (714)
<223> n equals a,t,g, or c

<400> 811
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cagggtggccg gcacccccat gtttgtgggc aaggcctatc tgcccgtcaa cgagtccttt 180
ggcttcaccg ctgacctgag gtccaacacg ggcgggccag cgttccccca gtgtgtgttt 240
gaccactggc agatcctgcc cggagacccc ttcgacaaca gcagccgccc cagccagggtg 300
gtggcgggaga cccgcaagcg caagggcctg aaagaaggca tccctgccct ggacaacttc 360

ctggacaaat tgtaggcggc ccttcctgca ggccttgccg ccccggggac tcgcagcacc 420
cacagcacca cgtcctcgaa ttctcagacg acacctggag actgtcccga cacagcgacg 480
ctcccctgag aggtttctgg ggcccgtgc gtgccatcac tcaaccataa cacttgatgc 540
cgnttccttc aatatttatt tccagagtcc ggaggcagca gacacgccct cttagtaggg 600
acttaatggg ccggtcggng agggggaggc gggatgggac acccaacact ttttcatatt 660
cttcagangg naaacttcag atgtccaaac taattttaac aaacgcatta aganggttaa 720
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<210> 812

<211> 562

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (4)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (5)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (8)

<223> n equals a,t,g, or c

<400> 812

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tctttctgct gctccccagc tctcggatac agccgacacc atgggtttcg gagacctgaa 180
aagccctgcc ggccctccagg tgctcaacga ttacctggcg gacaagagct acatcgaggg 240
gtatgtgcca tcacaagcag atgtggcagt atttgaagcc gtgtccagcc caccgcctgc 300
cgacttgtgt catgccctac gttggtataa tcacatcaag tcttacgaaa aggaaaaggc 360
cagcctgcca ggagtgaaga aagctttggg caaatatggt cctgccgatg tggaagacac 420
tacaggaagt ggagctacag atagtaaaga tgatgatgac attgacctct ttggatctga 480
tgatgaggag gaaagtgaag aagcaaagag gctaagggaa gaacgtcttg cacaatatga 540
atcaaagaaa gccaaaaaac ct 562

<210> 813

<211> 415

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

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ctgcgacttg tggtgggact ggaagatgtc ttcaggaaat gctaaaattg ggcaccctgc 180
ccccaacttc aaagccacag ctgttatgcc agatggtcag tttaaagata tcagcctgtc 240
tgactacaaa ggaaaatatg ttgtgttctt cttttaccct cttgacttca cttttgtgtg 300
ccccacggag atcattgctt tcagtgatag ggcagaagaa tttaagaaac tcaactgcca 360
agtgattggt gcttctgtgg attctcactt ctgtcatcta gcatgggtca ataca 415

<210> 814
<211> 316
<212> DNA

<213> Homo sapiens

<220>

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gggctgcagg aattcggcac agctntgggg gantcctggt gcacccccan ngggtctnct 120
ntgctgccca ttgcctaaag aagaatagcc aggnctggct gggtcggcac aacctgnttg 180
agcctnaaga cacangccag agggtccttn tcagccacag cttcccacac ccgctctgac 240

aatantnagc ctttctgaag catcaaagcc ttagaccagn tgaagactcc agccatgacc 300
tcangctgct ccgncct 316

<210> 815
<211> 507
<212> DNA
<213> Homo sapiens

<220>
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<220>
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<222> (265)
<223> n equals a,t,g, or c

<220>
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<222> (279)
<223> n equals a,t,g, or c

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<222> (309)
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<220>
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<222> (349)
<223> n equals a,t,g, or c

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<222> (358)
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<220>
<221> misc feature
<222> (385)
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<220>
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<222> (399)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (437)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (466)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (486)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (506)

<223> n equals a,t,g, or c

<220>

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<222> (507)

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<400> 815

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aacgccgcga tggctgcgca gggagagccc caggtccagt tcaaagtagg taaccctgcg 120
ggcgggaggg ggccgagccc gaccgcgtgc gactcgcggg tccctcctcc tggggccacg 180
atggctgtaa tggggccccc catccacatt ctttgtttta agtgagcctg tggtggttaa 240
agttccgtga ctctgggatc ttganagggtg aatgtttang gtttacttcc aaaatgtgtt 300
tttcaacanc ttgtaatggt tggatgatggg ggtaanggga aaaacgacnt cgtggaantg 360
catttgactg gtggaatttg agaanaatgt gttagccanc ttgggtggtg gaggttcaac 420
ccccaatgtt tccacancaa cagaggaccc attaatgtca atgtantggg acacagccgg 480
ccaggngaatt tccgtggact ggaaann 507
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<210> 816

<211> 551

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (2)

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<220>

<221> misc feature

<222> (15)

<223> n equals a,t,g, or c

<400> 816

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gccgctctag aactagtgga tcccccgggc tgcaggaatt cggcacgagc aggcatgcag 120
aaggctgacg tctatagctt tgggatcatc ctgcaggaga tagcacttcg cagtggtcct 180
ttctacttgg agggcctgga cctcagcccc aaagagattg tccagaaggt acgaaatggt 240
cagcggccat atttccggcc aagcattgac cggacccaac tgaatgaaga gctagttttg 300
ctgatggagc gatgttgggc tcaggaccca gctgagcggc cagacttttg acagattaag 360
ggcttcattc ggcgctttaa caaggagggt ggcaccagca tattggacaa cctcctgctg 420
cgcatggaac agtatgcaa taacttggag aagctggtgg aggaacgcac acaggcctat 480
ctggaggaaa aacgcaaggc tgaagctctg ctctaccaa tcctaccca ttcagtggca 540
gagcagttaa a 551
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<210> 817

<211> 386

<212> DNA

<213> Homo sapiens

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<221> misc feature

<222> (11)

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<220>

<221> misc feature

<222> (16)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (17)

<223> n equals a,t,g, or c

<220>

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<222> (372)

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<220>

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<222> (377)

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<220>

<221> misc feature

<222> (378)

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<220>

<221> misc feature

<222> (379)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (384)

<223> n equals a,t,g, or c

<400> 817

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tcctcttctg ctctgagtat cgccccaaaa tcaaaggaga acatcctggc ctgtccattg 120
gtgatgttgc gaagaaactg ggagagatgt ggaataaacac tgctgcagat gacaagcagc 180
cttatgaaaa gaaggctgcg aagctgaagg aaaaatacga aaaggatatt gctgcatatc 240
gagctaaagg aaagcctgat gcagcaaaaa agggagttgt caaggctgaa aaaagcaaga 300
aaaagaagga agaggaggaa gatgaggaag atgaagagga tgaggaggag gaggaagatg 360
aagaagatga angatgnnna cacntg                                     386
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<210> 818

<211> 364

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (304)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (334)

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<222> (336)

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<222> (339)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (362)

<223> n equals a,t,g, or c

<400> 818

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gaatgtaact gaaagataca tggcttgcaa aaagtaaacc acgatcgta tgctgatcat 120
accctaataga tcccagcaag ataatgtcct ttcttctaag atgtgcatca agcctgggtac 180
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atactgaaaa ccctataagg tcctggataa tttttgtttg attattcatt gaagaaacat 240
ttattttcca attgtgtgaa gtttttgact gttaataaaa gaatctgtca accatcaaaa 300
aaanaaaaaa aaaaaaacctg gggggggggc ccgnanccna ttgggccctt tggggggggg 360
tntt 364

<210> 819
<211> 462
<212> DNA
<213> Homo sapiens

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<220>
<221> misc feature
<222> (15)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (28)
<223> n equals a,t,g, or c

<220>
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<222> (47)
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<220>
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<222> (68)
<223> n equals a,t,g, or c

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<222> (134)
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<220>
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<222> (299)
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<220>
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<220>
<221> misc feature
<222> (359)
<223> n equals a,t,g, or c

<220>
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<222> (379)
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<220>
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<222> (452)
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<220>
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<222> (453)
<223> n equals a,t,g, or c

<220>
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<222> (455)
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<220>
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ggtgccgncc gctctagaac tagtggatcc cccgggctgc aggaattcgg cacgagctcc 120
gccagacagc ggncaaaagt gctggcccat ttctatgggg tgaagctgga gggcaagggtg 180
cccatgcaca agctgttctt ggagatgctc gaggccatga tggactgagg caaggggttg 240
gactgggtggg ggttctggcc aggacctgcc ttagcatggg gtccagcccc aagggtgng 300
gcggactggg gtctgggcat gccacagcct gctggcaggc cagggcagtc cntcnccng 360
gggaacaggc cccacgcctt ttcttcccct tctaaggggt gttcaaaact gggaactttt 420
ttccaggttt tgggcacatt gttgccctt tnnanncata aa 462

<210> 820
<211> 449
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature

<222> (8)

<223> n equals a,t,g, or c

<400> 820

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ggagacgctg cagacccgcg acccgagca gctcggaggc ggtgaataat agctcttcaa 120
gtctgcaata aaaaatggcc tccaacaaaa ctacattgca aaaaatggga aaaaaacaga 180
atggaaagag taaaaaagtt gaagaggcag agcctgaaga atttgtcgtg gaaaaagtac 240
tagatcgacg tgtagtgaat gggaaagtgg aatatttcct gaagtggag ggatttacag 300
atgctgacaa tacttgggaa cctgaagaaa atttagattg tccagaattg attgaagcgt 360
ttcttaactc tcagaaagct ggcaaagaaa aagatggtag caaaagaaaa tctttatctg 420
acagtggatc tgatgacagc aaacaaaga 449
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<210> 821

<211> 453

<212> DNA

<213> Homo sapiens

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<222> (392)

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<222> (433)

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<222> (434)

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<400> 821

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gaaatggacc ccaactgctc ttgcgccact ggtggctcct gcacgtgcgc cggctcctgc 120
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aagtgc aaag agtgcaaatg cacctcctgc aagaagagct gctgttcctg ctgccccgtg 180
ggctgtgcc aagtgtgccca gggctgcgtc tgcaaagggg catcggagaa gtgcagctgc 240
tgtgcctgat gtgggaacag ctcttctccc atatgtaaat agaacaacct gcacaacctg 300
gattttttta aaaataacaac actgagccat ttgctgcatt tcttttatac taaatatgtg 360
actgacaata aaaacaattt tgacttttaa anaaaaaaaa agggggccnt ttgggggtccc 420
tgggggccan ttnggggat cgggaaagtt tcc 453

<210> 822

<211> 474

<212> DNA

<213> Homo sapiens

<220>

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<222> (206)

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<220>

<221> misc feature

<222> (260)

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<220>

<221> misc feature

<222> (330)

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<222> (367)

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<222> (426)

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<222> (455)

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<220>
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<222> (461)
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taaaacactg aactgacaat taacagccca atatctacaa tcaaccaaca agtcattatt 120
accctcactg tcaacccaac acaggcatgc tcataaggaa aggttaaaaa aagtaaaagg 180
aactcggcaa atcttaccoc gcctgnttac caaaaacatc acctctagca tcaccagtat 240
tagaggcacc gactgcccac gtgacacatg tttaacggcc gcggtaccct aaccgtgcaa 300
aggtagcata atcacttggt ccttaattan ggacctgtat gaatggctcc acgaggggtc 360
aagctgnctc ttacttttaa ccagtgaaaa tgacctgncc gngaagaggc gggcataaca 420
cagcangacc aagaagaccc tatggagcct taatntatta ngcaaacagt ccta 474

<210> 823
<211> 463
<212> DNA
<213> Homo sapiens

<220>
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gaataagaag gggaagacta tctccctaac agactttctg gctgaggatg ggggtactgg 120
tggaggaagc acctatgttt ccaaaccagt cagctgggct gatgaaacgg atgacctgga 180
aggagatggt tcgaccactt ggcacagtaa cgatgacgat gtgtataggg cgcctccaat 240
tgaccgttcc atccttccca ctgctccacg ggctgctcgg gaaccaata tcgaccggag 300
ccgtcttccc aaatcgccac cctacactgc ttttctagga aacctaccct atgatgttac 360
agaagagtca attaaggaat tctttcgagg attaaatata agtgcagtgc gtttaccacg 420
tgaaccacgc aatccagaga ngttgaaagg tttgggtatg ctg 463

<210> 824
<211> 599
<212> DNA
<213> Homo sapiens

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<222> (46)
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<220>
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<222> (319)
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<220>
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<223> n equals a,t,g, or c

<220>
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<222> (329)
<223> n equals a,t,g, or c

<220>
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<223> n equals a,t,g, or c

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<220>
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<220>
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<220>
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<222> (423)
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<220>
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<220>

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<222> (486)

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<220>

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<222> (544)

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<222> (581)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (586)

<223> n equals a,t,g, or c

<400> 824

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cgtcttgctg	ctgatgactt	tagaggcnag	tatgagacag	atctggccat	gcgccantct	120
gtgganaacg	acatccatgg	gctccgaaag	gtcattgatg	acaccaatat	cacacgactg	180
canctggaga	cagagatcga	ggntctnang	gaggatctgc	tcttcatgaa	naanaaccac	240
taagaggaan	gancaaggcc	tacaagccca	nattgccanc	tctgggntga	ccgnggaggt	300
anatgcnccc	aaatctcang	acctcgcnna	gancatggga	gacatcccgg	cccaatatga	360
cnagctggct	cntaagaacc	gagangaagc	tagaccagta	ctgggtctta	acanattnan	420
ganagcacca	cagtgggtcan	cacacagtct	gctgaagttg	gaactgctga	aacnacgctc	480
acaganctta	gacgtacagg	ccattccttg	gaaatatgaa	ctggacttca	ttagaaatct	540
gaangccctc	ttggaaaaca	accttgacgg	gaagtggang	ncccgntacg	accttaca	599

<210> 825

<211> 500

<212> DNA

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<220>

<221> misc feature

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<220>

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<222> (319)

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<222> (336)

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<220>

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<222> (368)

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<220>

<221> misc feature

<222> (494)

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<400> 825

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cttttcccat	catcgatgat	aggaatcggg	agcttgccat	cctggtgggc	atgctggatc	180
cagccagaga	aggatgaaaa	gggcatgcct	gtgacagctc	gtgtggtggt	tgtttttggt	240
cctgataaga	agctgaagct	gtctatcctc	taccagcta	ccactggcag	gactttgatg	300
agatctcagg	gtagtccanc	tctctccagc	tgacanagaa	aaaggggtgc	acccagttga	360
ttggaggntg	ggataggtat	ggcctccacc	ncctgagaga	gcaaaaattt	tccgnagagn	420
tnacaagngt	ccttgacagan	actcgtaaac	cagctaagtn	tgngagtgnn	ttngcaagtn	480
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<210> 826

<211> 511

<212> DNA

<213> Homo sapiens

<220>

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<220>

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<220>
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gcgccccctc atcacccgtcg ccatgcccgg aggtctgctt ctcggggacg tggctcccaa 120
ctttgaggcc aataccaccg tcggccgcat ccgtttccac gactttctgg gagactcatg 180
gggcattctc ttctcccacc ctcggggactt taccaccagtg tgcaccacag agcttggcag 240
agctgcaaag tggcaccaga atttgncaag aggnatgtta agttgattgc cctttcuaata 300
gacagtgttg aggaccatct tgcctggagc aaggatatca atgnttacia ttgtgagggg 360
ccacagaaag ttaccttttc ccatcatcgt gataggatcg gagttnccat cctnttgga 420
ngtnggtcca cagagaaggt gaaagggang cctttnagtc gtgtggngtt tttttggccc 480
gtnagaagtn aagtgnatc ttaccagtac c 511

<210> 827
<211> 519
<212> DNA
<213> Homo sapiens

<220>
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<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (4)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (8)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (186)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (479)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (487)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (500)
<223> n equals a,t,g, or c

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<221> misc feature
<222> (517)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (519)
<223> n equals a,t,g, or c

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gggtcgaccc acgcgtccgc cacgggccgc actgcctctt cccttctcgc ttgggaactc 120
tagtctcgc tgggttgca atggacccca actgctcctg tgccgctgag gtgtctcctg 180
cacctngcca gtcctgcaag tgcaaagagt gcaaatgcac ctctgcaag aagagctgct 240
gctcctgctg ccctgtggct gtgccaaagt tgcccagggc tgcatctgca aaggggcatc 300
ggagaagtgc agctgctgcg cctgatgtcg ggacagccct gctcccaagt acaaatagag 360
tgacccgtaa aatccaggat tttttgtttt ttgctacaat cttgaccctt ttgctacatt 420
cctttttttc tgtgaaatat gtgaataata attaaacact tagacttgaa aaaaaaana 480
aaaaaanaaa aaaggggggn ccttttttagg ggggttcn 519

<210> 828
<211> 442
<212> DNA
<213> Homo sapiens

<220>
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<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (11)
<223> n equals a,t,g, or c

<220>
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<222> (14)
<223> n equals a,t,g, or c

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<221> misc feature
<222> (128)
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<220>
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<222> (438)
<223> n equals a,t,g, or c

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cccacgcgtc cgggagggga cacgggctca ttgcggtgtg cgccctgcac tctgtccctc 120
actcgcencc gacgacctgt ctgcgcgagc gcacgccttg ccgcgcgccc gcagaaatgc 180
ttcggttacc cacagtcttt cgccagatga gaccggtgtc cagggtactg gctcctcatc 240
tcactcgggc ttatgccaaa gatgtaaaat ttggtgcaga tgcccagacc ttaatgcttc 300
aaggtgtaga ccttttagcc gatgctgtgg ccgttacaat ggggccaaag ggaagaacag 360
tgattattga gcagagttgg ggaagtccca aagtaacaag agatggtgtg actgttgcaa 420
agtcattgac ttaaaagnaa at 442

<210> 829
<211> 504
<212> DNA
<213> Homo sapiens

<220>
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<222> (19)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (35)
<223> n equals a,t,g, or c

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<221> misc feature
<222> (122)
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<220>
<221> misc feature
<222> (139)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (343)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (362)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (391)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (489)
<223> n equals a,t,g, or c

<400> 829
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cggttaccca cagtctttcg ccagatgaga ccggtgtcca gggtagctgc tcctcatctc 120
antcgggctt atgccaaana tgtaaaattt ggtgcagatg cccgagcctt aatgcttcaa 180
ggtgtagacc ttttagccga tgctgtggcc gttacaatgg ggccaaaggg aagaacagtg 240
attattgagc agagttgggg aagtcccaaa gtaacaaaag atgggtgtgac tgttgcaaag 300
tcaattgact taaaagataa atacaaaaac attggagcta aanttggttca agatggtgcc 360
antaacacaa ttgaggagct ggggatggca ntaccatgct actgttatgg cacgtctata 420
gccaaggaag gtttcgagaa ggtagcaag gtgctaatac atgggaatca ggagaggtgt 480
gatgtagng ttgatgctgt attg 504

<210> 830
<211> 582
<212> DNA
<213> Homo sapiens

<220>
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<222> (6)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (9)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (11)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (12)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (13)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (15)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (30)
<223> n equals a,t,g, or c

<400> 830
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ctagaactag tggatcccc gggctgcagg aattcggcac aattcggcac gagggaaggt 120
gctgtgtaat cattaaggag cggaggcttt tggagctgct aaaatgccgg attacctcgg 180
tgccgatcag cggaagacca aagaggatga gaaggacgac aagcccatcc gagctctgga 240
tgaggggggat attgccttgt tgaaaactta tggtcagagc acttactcta ggcagatcaa 300
gcaagttgaa gatgacattc agcaacttct caagaaaatt aatgagctca ctggtattaa 360
agaatctgac actggcctgg ccccaccagc actctgggat ttggctgcag ataagcagac 420
actccagagt gaacagcctt tacagggtgc cagggtgtaca aagataatca atgctgattc 480
ggaggaccca aaatacatta tcaacgtaaa gcagtttgcc aagtttgtgg tggaccttag 540
tgatcaggtg gcacctactg acattgaaga agggatgaga gt 582

<210> 831
<211> 385
<212> DNA
<213> Homo sapiens

<220>
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<222> (98)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (142)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (274)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (322)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (356)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (358)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (373)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (374)
<223> n equals a,t,g, or c

<400> 831
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ctaggtcgtg gcgtcggggt tncggagctt tggcggcact aggggaggat ggcggagtct 180
tcggataagc tctatcgagt cgagtaagcc aagagcgggc gcgcctcttg caagaaatgc 240
agcgagacat cccaaggac tcgctccgga tggncatcat ggtgcatcgc ccatgtttga 300
tggaaaagtc cacatggtac anttctcctg cttctggaag tgggcaatcc atccgnanct 360
gactttaagt gannggtttc ttata 385

<210> 832
<211> 505
<212> DNA
<213> Homo sapiens

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<220>

<221> misc feature
<222> (162)
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<220>
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<222> (198)
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<220>
<221> misc feature
<222> (335)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (380)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (405)
<223> n equals a,t,g, or c

<220>
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<220>
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<222> (435)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (438)
<223> n equals a,t,g, or c

<220>
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<222> (461)
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<220>
<221> misc feature

<222> (474)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (479)

<223> n equals a,t,g, or c

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<222> (496)

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<222> (497)

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<400> 832

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gcgatgctgg caacacggcg gctgctcggc tggtcgcttc ccgcgcggac agcacccaag 120
aaaacctcat ttggctcgct gaaggatgaa gaccggattt tnaccaacct gtacggccgc 180
catgactgga ggctgaangt tccctgagtc gaggtgactg gtacaagaca aaggagatcc 240
tgctgaaggg gcccgactgg atcctggggc agatcaagac atcgggttta aggggccgtg 300
gagggcgtgg cttccccaat ggctcaagt ggngnttcat gataaggcct cagatggcag 360
gccaagtat ttggtggtnn aacgcaaagc agggggggagc cgggnaactg naagaaccgg 420
ggggttttta ggccnggntc ttaaaaagtt tttgaagggt nctttgttgg gggncggnc 480
atggggggccc ggttgnttat tttttt 505
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<210> 833

<211> 444

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (336)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (355)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (380)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (444)

<223> n equals a,t,g, or c

<400> 833

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gccgctcctg gtgctgcttg tgtgctcgtt tgggtgcggac ctggtacctc ttttgtgaag 120
cggcagctga ggagactccg gcgctcgcca tggccgacga aaagcccaag gaaggagtca 180
agactgagaa caacgatcat attaatTTga aggtggcggg gcaggatggt tctgtggtgc 240
agtttaagat taagaggcat acaccactta gtaaactaat gaaagcctat tgtgaacgac 300
agggattgtc aatgaagcag atcagattcc gatttnacgg gcaaccaatc aatgnaacag 360
acacacctgc acagttgggn aatgggagga tgaagatacc aatgatgtgt tccaaacagc 420
agacgggagg tgtctactga aaan 444
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<210> 834

<211> 370

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (141)

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<220>

<221> misc feature

<222> (142)

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<220>

<221> misc feature

<222> (322)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (331)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (336)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (346)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (365)

<223> n equals a,t,g, or c

<400> 834

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accttctggg caaggaggac gcggcgcgcg agattcgccg cttcagcttc tgctgcagcc 120
ccgagcctga ggcggaagc nnggctgcgg cgggtccggg acccttgcca gcggctgctg 180
agccgggtgg ccgccctgtt cccgcgcgtg cggcctggcg gctttccagg cgcactaccg 240
cgattgagga cggggatttg ttgctttttt ccattgacga ggatttgaca tgggcatggt 300
ctacgttgaa gatgaatctt tncgatttta nattnaaga gaaaanattt ccggcgggga 360
cacgncaagt                                     370
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<210> 835

<211> 317

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (174)

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<220>

<221> misc feature

<222> (215)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (258)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (270)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (288)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (301)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (311)

<223> n equals a,t,g, or c

<400> 835

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tggtgccctt gaagagcatc ccaccctgct cacggaggca cccctgaacc ccaaggccaa 120
ccgggagaaa atgactcaaa ttatgtttga gactttcaat gtccaagcca tgtntttggc 180
tatccaggcg gtgctgtctc tctatgcctc tggangcaca atggaatcgt gctggactct 240
ggagatggtg tcacccanaa tgtcccaatn tatgagggct atgcttgnc ccatgcaata 300
natgggtctg natttgg 317
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<210> 836

<211> 382

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (44)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (80)

<223> n equals a,t,g, or c

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<221> misc feature

<222> (85)

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<222> (117)

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<222> (142)

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<220>

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<222> (143)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (190)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (192)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (207)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (211)

<223> n equals a,t,g, or c

<220>

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<222> (230)

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<221> misc feature

<222> (261)

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<220>

<221> misc feature

<222> (271)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (311)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (339)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (348)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (353)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (374)

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<400> 836

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ggcgacgggtg cgggcttcan agggnccegt ttacaaagga gtctgcaa at gcttctnccg 120
gtccaagggc catggcttca tnnccccagc tgatggcggc cccgacatct tctgcacat 180
ctttgaatgn gnaaggggga gtatgtncca ntggaaggcg acgaggtcan ctataaaatg 240
tgcttccatc ccacccaaga ntgagaagct ncaagccgtg ggagttcgtc atcaatcacc 300
tggcaccagg naccaagtat gagacctggt tttggacant ttcatcantt tcntaggaga 360
ttggttgga gcancccttt tt 382
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<210> 837

<211> 375

<212> DNA

<213> Homo sapiens

<400> 837

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aggagtttct cctcgggggtc ggagcaggag gcacgcggag tgtgaggcca cgcattgagcg 60
gacgctaacc ccctccccag ccacaaagag tctacatgtc taggggtctag acatgttcag 120
ctttgtggac ctccgggtcc tgctcctctt agcggccacc gccctcctga cgcacggcca 180
agaggaaggc caagtcgagg gccaaagacga agacatccca ccaatcacct gcgtacagaa 240
cggcctcagg taccatgacc gagacgtgtg gaaacccgag ccctgccgga tctgcgtctg 300
cgacaacggc aaggtgttgt gcgatgacgt gatctgtgac gagaccaaga actgccccgg 360
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<400> 838

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cgccaanctg ccgcactcag tgttgttaga gatacaaaag gaattattag actacaaagg 240
aattggcatt agtggttctt aaatgantca cangtcatca gatattgcct agattattan 300
caatacagaa aatcttgtgc gggaattgct aactgttcca gacaactata angtgatttn 360
tctggcangg aagtgggtgc ggccaattca ntgctgtccc ttaancctca ttggcttgaa 420
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tgccagctgc gaattttcgc cctgacgttt tcaacggagg tgactatact gggcaattgc 180
tggagaagat ttgccaatt gttgcttctg aatactcgat tgantgaaag ggtttttnaat 240
tcatacgcgg ggtagcccc aaatgttaca anttaaacag ncaaaacagt ccattggatg 300
cagcggtttt ccatggagac tgttcttacg gntgacaaag attttttgaa gcaagactaa 360
agntgtatta ggcattccca ttattaaggc ctggattacg ggggggcatt nctgcaatgc 420
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cttgtggggc taaggcagga ggatcacttg agccccggag gtcgaggcta cantgcgcca 180
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aatnaantta attaaataan taatttaaata aaaagcnaa 279

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atgatgtgaa agcacctgct atgttcaata taagaaatat tggaaagacg ctggtcacca 180
ggacccaagg aacaaaaatt gcatctgatg gtctcaaggg tcgtgtgttt gaagtgagtc 240
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ttcagggtaa aaactgcctg actaacttcc atggcatgga tcttaccggt gacaaaatgt 360
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aagctaaggc tgcgttgggg tgaggccctc acttcatccg gcgactagca ccgcgtccgg 180
cagcgcanc ctacactcgc ccgcgccatg gcctctgtct ccgagctcgc ctgcatctac 240
tcggccctca ttctgcacga cgatgaggtg acagtcacgg aggataagat caatgccctc 300

attaaagcag ccggtgtaaa tggtgagcct ttttggcctg gcttgtttgc aaaggccctg 360
gccaacgtca acattgggag cctcatctgc aatgtagggg ccggtggacc tntccagca 420
gctggtgctg caccagcagg aggtcctgcc cctccactg ctgctgctcc agctgaggag 480
aagaaagtgg aagcaaagaa agaagaatcc gaggaactct atgatgacat gggctttggt 540
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<210> 844

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<212> DNA

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ggtgcaactt acggcaagcc tgtccatcat ggtgttaanc anctaaagtt tgctcgaagc 420
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<212> DNA

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aagcgcgccg actgggctac aaggccaagc aagggttacgt tatatatagg attcgtgttc 360
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<212> DNA

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agatgacgag ggaacgtcat cgtttggaaa gcgtcgcaat aagacgcaca ngttgtgccg 180
ncgctgtggc tctaaggcct accaccttca gaagtcgacc tgtggcaa atgtggctaccc 240
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aactggtcga atgaggcacc taaaaattgt ataccgcaga ttcaggcatg gattccgtga 360
aggaacaaca cctaaacca agagggcagc tgttgcagca tccagttcat cttagaatg 420
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taccaagaaa gtcgggatcg tcggtaaata cgggacccgc tatggggcct ccctccggaa 180
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aaccaagatg aagagacgag ctgtggggat ctggcactgt ggttcctgca tgaagacagt 300
ggctggcggg gcctggacgt acaataccac ttccgctgtc acggtaaagt ccgccatcag 360
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tataataa 428

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<212> DNA
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cacttgctct ttctgtggca aaaccaagat gaagagacga gctgtgggga tctggcactg 180
tggttcctgc atgaagacag tggctggcgg tgcctggacg tacaatacca cttccgctgt 240
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agcacgccaa gtacacttgc tctttctgtg gcaaaaccaa gatgaagaga cgagctgtgg 180
ggatctggca ctgtggttcc tgcatagaaga cagtgnntgg cggtnctgg acgtacaata 240
ccacttccgc tgtcacggtt aaagtcgcc atcagaagan tgaaggagtt gaaagaccat 300
tagacgttcc tntantcttt gggacatcat tggntataa ttaatgggtt aatttttggt 360
naaaa 365

<210> 850
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<213> Homo sapiens

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agaaggccaa gggaaagccc agctgtcgtg aagaagcagg aggctaagaa agtggtgaat 180
cccctgtttg aagcctaaga attttggcat tggacaggac atccagccca aaagagactc 240
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gacgacagan gggggccccc gaagataagg ccgntcgctg acgcctgtgt tcctctttcg 120
gccgcgctgg tgaacaggac ccgtcgccat gggccgtgtg atccgtggac agangaaggg 180
cgccgggtct gtgttccgcg cgcacgtgaa gcaccgtaaa ggcgctgcgc gctgcgcgcc 240
gtggattttc ctgagcggaa cggctacatc aagggcatcg tcaaggacat catccacgac 300
ccgggcccgc gcncgcccct cgccaagggt gtcttccggg atccgtancg tttaagaagc 360
gngncggagc tgttcattgc cgccgagggc attcacacgg gccagtttgt gtattgccgc 420
aaaaaggccc                                     430
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<210> 852

<211> 420

<212> DNA

<213> Homo sapiens

<220>

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<222> (13)

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<220>

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<222> (31)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (36)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (81)

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<220>
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<222> (84)
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<220>
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<222> (92)
<223> n equals a,t,g, or c

<220>
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<222> (101)
<223> n equals a,t,g, or c

<220>
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<220>
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<220>
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<223> n equals a,t,g, or c

<220>
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<222> (280)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (285)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (289)
<223> n equals a,t,g, or c

<220>
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<222> (302)
<223> n equals a,t,g, or c

<220>
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<222> (317)
<223> n equals a,t,g, or c

<220>
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<222> (372)
<223> n equals a,t,g, or c

<220>
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<222> (399)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (404)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (411)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (418)
<223> n equals a,t,g, or c

<400> 852
gcggacgcgt gtntcgaccc acgcgtccgg ncgagncgcg cggaggcgga ggcttgggtg 60
cgttcaagat tcagcttcac ncgnaagcca cnggcattggc ngaggaaaggc attgctgctg 120
gaggtgtaat ggacgttaat actgctttac aagaggttct gaagactgcc ctcattcacg 180
atggcctagc acgaggaatt cgcgaagctg ccaaagcctt agacaagcgc caagcccatc 240
tttgtgngct tgcattccaac tgngatgagc ctatgtatgn caagntggng gaggcccttt 300
gngctgaaca ccaaataaac ctaattaagg gttgatgaca acaagaaact aggagaatgg 360
gtaggccttt gnaaaaatga cagagagggg aaaccccgna aagnggttgg nttgcagntg 420

<210> 853
<211> 278
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (126)
<223> n equals a,t,g, or c

<220>
<221> misc feature

<222> (127)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (128)

<223> n equals a,t,g, or c

<400> 853

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ctcgtgccga attcggcacg agccgccatc atgggtcgca tgcattgctcc cgggaagggc 60
ctgtcccagt cggctttacc ctatcgacgc agcgtcccca cttgggtgaa gttgacatct 120
gacgannnga aggagcagat ttacaaactg gccagaagg gccttactcc ttcacagatc 180
ggtgtaatcc tgagagattc acatgggtgt gcacaagtac gttttgtgac aggcaataaa 240
attttaagaa ttcttaagtc taagggactt gctcctga 278
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<210> 854

<211> 408

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (5)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (9)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (104)

<223> n equals a,t,g, or c

<400> 854

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gcggnacgnt ggaccgggggt ccttccgtgc gcgttgatat gattggccgg cgaatcgtgg 60
ttctcttttc ctctttggct gtctgaagat agatcgccat cgtnaacgac accgtaacta 120
tccgcactag aaagtctatg accaaccgac tacttcagag gaaacaaatg gtcattgatg 180
tccttcaccc cgggaaggcg acagtgccta agacagaaat tcgggaaaaa ctagccaaaa 240
tgtacaagac cacaccggat gtcattcttg tattttggatt cagaactcat tttggtggtg 300
gcaagacaac tggctttggc atgatttatg attccctgga ttatgcaaag aaaaatgaac 360
ccaaacatag acttgcaaga catggcctgt atgagaagaa aaagacct 408
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<210> 855

<211> 424

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (288)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (345)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (377)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (382)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (402)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (422)
<223> n equals a,t,g, or c

<400> 855
gggtcgaccc acgcgtccgc tatgacacca agggtcgctt tgctgtacat cgtattacac 60
ctgaggaggc caagtacaag ttgtgcaaag tgagaaagat ctttgtgggc acaaaaggaa 120
tccctcatct ggtgactcat gatgcccgca ccatccgcta ccccgatccc ctcatcaagg 180
tgaatgatac cattcagatt gatttgagaga ctggcaagat tactgatttc atcaagttcg 240
acactggtaa cctgtgtatg gtgactggag gtgctaacta gggaagantg gtgtgatcac 300
caacagagag aggcaccctg ggatcttttg gacgtgggtt cactngaaag atggccaatg 360
ggaacagctt tgccaantcg anttttccaa catttttggt anttgggcaa ggggcaacaa 420
anca 424

<210> 856
<211> 608
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (270)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (303)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (339)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (529)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (537)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (555)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (575)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (599)

<223> n equals a,t,g, or c

<400> 856

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gggcatcttt cgggacaatt ggcacaagcg ccgcaaaacc gggggcaaga gaaagcccta 60
ccacaagaag cggaagtatg agttggggcg cccagctgcc aacaccaaga ttggcccccg 120
ccgcatccac acagtcctgt tgcggggagg taacaagaaa taccgtgccc tgagggttga 180
cgtggggaat ttctcctggg gctcagagtgt ttgtactcgt aaaacaagga tcatcgatgt 240
tgtctacaat gcatctaata acgagctggn tcgtaccaag accctggtga agaattgcat 300
cgngetcatc gacagcacac cgtaccgaca gtggtaccna gtcccactat gcgctgcccc 360
tggcccgcga gaagggagcc aagctgactc ctgaggaaga agagatttta aacaaaaaac 420
gatctaaaaa aattcagaag aaatatgatg aaagggaaaa agaatgccaa aatcaagcaa 480
gtcttctgga ggagcagttt cagcagggca agcttcttgc gtgcatcgnt ttaaggnccg 540
gacagtgtgg ccgancagat ggctatgtgc taaanggcaa agagtggagt ctatcttang 600
aaaacaag                                     608
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<210> 857

<211> 450

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature
<222> (368)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (389)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (440)
<223> n equals a,t,g, or c

<400> 857
ggcacgagtg gggccgtctt cctcctcctt cctttttctc ggggctcccg tggagccacc 60
tggacatgag acccgccctc aatgccgaag cctctcggaa gcaatctttc gggacggaag 120
ttaagtagcc ccgagcggga ggctgtggcg gaagtggtcg cgttaccgck tgtttgtgcg 180
catgcgccac tctcgtctgg ccgccgcgct ttcaggaggt gcttttggtt ctctccggtc 240
ttgtccacgc taggggggtgc acgtackccc aactgtgggtc gcgctctcac cccttctgct 300
gckctcgtgg cccctcgcg atggcgggca tcctgtttga ggatattttc gatgtgaagg 360
atattgancc ggaaggcaag aagtttganc gagtgtctcg ackgcattgt gagagtgaay 420
ttycaagatg gvwbkaaach aagakgtaaa 450

<210> 858
<211> 467
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (6)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (9)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (10)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (17)
<223> n equals a,t,g, or c

<220>
<221> misc feature

<222> (18)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (20)
<223> n equals a,t,g, or c

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<220>
<221> misc feature
<222> (45)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (49)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (456)
<223> n equals a,t,g, or c

<400> 858
gaaanacnn gaaccannan gaagaatcga aagagctntg ncagncttnc tcaaaaagtc 60
cgggaagctg aaagtccccg aatgggtgga tacgtcaag ctggccaagc acaaagagct 120
tgctccctac gatgagaact ggttctacac gcgagctgct tccacagcgc ggcacctgta 180
cctccgggggt ggcgctgggg ttggctccat gaccaagatc tatggggggac gtcagagaaa 240
cggcgctcatg cccagccact tcagccgtgg ctccaagagt gtggcccgcc gggtcctcca 300
agccctggag gggctgaaaa tgggtggaaaa ggaccaagat ggcggtcgca aactgacacc 360
tcagggacaa agagatctgg acagaatcgc cggacaggtg gcagcttcca acaagaagca 420
ttagaacaaa ccatgctggg gtaataaatt ggcctnattc gtaaaaa 467

<210> 859
<211> 441
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (29)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (30)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (378)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (396)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (403)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (405)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (422)

<223> n equals a,t,g, or c

<400> 859

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gggtcgaccc acgcgtccga aaaactgtnn gggagcttga caaaggcatg caggagagaa 60
caggagcagc cacagccagg agggagagcc ttccccaagc aaacaatcca gagcagctgt 120
gcaaacaacg gtgcataaat gaggcctcct ggaccatgaa gctagtcctg agctgcgtcc 180
cggagcccac ggtggtcatg gctgccagag cgctctgcat gctggggctg gtcctggcct 240
tgctgtcctc cagctctgcg agggagttac gtggggcctg tctgccaaac cagtgtgccg 300
tgccagccaa ggacagggtg gaattgcggc ttacccccat gttcaccccc aaggattgca 360
aaaaccgggg ttgctgcntt tgaattccag gatccnggat ggncntggtg ttttcaagcc 420
cntgccagga agcagaagca c                                     441
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<210> 860

<211> 423

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (369)

<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (379)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (401)
<223> n equals a,t,g, or c

<400> 860
tgggctacct gcattcactg aacatcggtt atagagactt aaaaccagag aatattttgc 60
tagattcaca gggacacatt gtccttactg acttcggact ctgcaaggag aacattgaac 120
acaacagcac aacatccacc ttctgtggca cgccggagta tctcgcacct gaggtgcttc 180
ataagcagcc ttatgacagg actgtggact ggtggtgcct gggagctttc ttgtatgaga 240
tctgttatgg cctgccgcct ttttatagcc gaaacacagc tgaaatgtac gacaacattc 300
tgaacaagcc tctccagctg aaaccaaata ttaccaattc cgcaagacac ctcttggaag 360
ggctcctgna gaaggacang acaaagcggc tcggggggcaa nggtgacttc atggagatta 420
aga 423

<210> 861
<211> 429
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (348)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (360)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (392)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (403)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (425)
<223> n equals a,t,g, or c

<400> 861

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ggcacgagct cgtgcgcttt ggggctgctg ggactcgcgt cggttggcga ctcccggacg 60
taggtagttt gttggggccgg gttctgaggc cttgcttctc tttacttttc cactctaggc 120
cacgatgccg cagtaccaga cctgggagga gttcagccgc gctgccgaga agctttacct 180
cgctgaccct atgaaggcac gtgtggttct caaatatagg cattctgatg ggaacttgtg 240
tgttaaagta acagatgatt tagtttgttt ggtgtataaa acagaccaag ctcaagatgt 300
aaagaagatt gagaaattcc acagtcaact aatgcgactt attgtagncc aaggagcccn 360
caattttacca tgggaactga gtgaatggtt tnaatgagac ttntcgggta cttagggagt 420
aaaancctt                                     429
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<210> 862

<211> 596

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (10)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (12)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (40)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (57)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (61)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (155)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (209)

<223> n equals a,t,g, or c

<220>

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<222> (286)
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<220>
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<222> (288)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (344)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (400)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (418)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (488)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (492)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (497)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (544)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (545)
<223> n equals a,t,g, or c

<220>
<221> misc feature

<222> (554)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (557)
<223> n equals a,t,g, or c

<400> 862
cgcggggcgn cncgctctag aactagtggg tcccctgggn ctgcaggaat tcggcanagg 60
naagtctccc agaagacagt gattatcaag gaagaggaag aagatactgc agagaagcca 120
gggaaggaag aggatgtcgt gactccaaaa ccagncaaga gaaagagaga ccaggcagag 180
gaggagccca acagaatacc aagccgcanc ctccgacgga ccaaacttaa ccaagaatca 240
acagccccc aagtgtctctt cacaggagtgt gtggatgtctc gggganancg ggctgtgctg 300
gcatgggggg aaatctggct ggttcacggt caaagcttcc cacnggttca tggatcgcac 360
ccgccggaca ttcaattcct gtgtggccct ggggcggggg attccccatt ctgttcnngg 420
gatgggtggc atcattcccg tcaagctggt tttctttcta ccccgatga atatgtggtg 480
aacgaccnng cnccaanaga agaatttggc tttactttca agacgcattg agcagggtcc 540
gganngaagg tgcntanaag ggtatgaatt tatgtgaacc tggatccacc acacca 596

<210> 863
<211> 441
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (361)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (413)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (418)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (434)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (435)
<223> n equals a,t,g, or c

<400> 863

ggcagcttgg cagtgaccaa gaatgatggg cactaccgtg gagatcccaa ctggtttatg 60
aagtatgtgg cccccaggga gcttgggtct ccgcatgggg tgggaggtgg cttgttctaa 120
ggagcttgcg agaaggatta ggggaagcag atagccaaga aaggataaag tgaggggtctg 180
ggatggggaa taatgggtcc ttaatactcc ttgacccctc cctttccacc ctccctgcgt 240
cagtctccct agcctatgag gcaagctaga ttagggaaaa aaagtgcaca ggaaggcaat 300
ggggattggg ctaagacgta acacagggat cagaaaacgg gtggaaaaca cacatttcta 360
ncaagtcttt aacccggttc ctccccttct taggaaagcg cagagcttaa gangggantt 420
cacagagagc cagnngcagg a 441

<210> 864

<211> 355

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (297)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (322)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (325)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (347)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (349)

<223> n equals a,t,g, or c

<400> 864

gacatcacca cggcggcagc catttaaacc cctcacccag ccagcgcccc atcctgtctg 60
tccgaaccca gacacaagtc ttcactcctt cctgcgagcc ctgaggaagc cttctttccc 120
cagacatggc caacaagggt ccttcctatg gcatgagccg cgaagtgcag tccaaaatcg 180
agaagaagta tgacgaggag ctgggaggag cggctggtgg agtgggtcca tagtggcagt 240
gtggggccctg atgtggggcc ggcccagacc gtggggcgct tggggctttc caggttntgg 300
cttgaagatt ggcgttgatt tntgnagcaa gctgggttgg aacagcntnt taccc 355

<210> 865

<211> 499

<212> DNA

<213> Homo sapiens

<220>
<221> misc feature
<222> (330)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (343)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (353)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (388)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (391)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (395)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (406)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (412)
<223> n equals a,t,g, or c

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<220>
<221> misc feature
<222> (427)
<223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (435)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (444)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (462)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (465)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (469)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (480)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (490)
 <223> n equals a,t,g, or c

<400> 865
 aattcggcac gagactggac caaattagac agagagaatc agatatcacc aaggagagaa 60
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 tgtgtctgaa gtattttgtg gaggctggtg ctatggcagt tagaagagtt ttaaaaaggg 180
 accttaaacg cattgccaaa gcttctggag caactattct gtcaaccctg gccaatttgg 240
 aagggtgaaga aacttttgaa gctgcaatgt tgggacaggc agaagaagtt gtacaggaga 300
 gattttgtga tgatgagctg atcttaaten aaatacctag ggncgacggt ttnatcggtt 360
 tttttcgggg ggcaaaattt tcccggtnnt ngggnggggg cctttnaaag gncctttttg 420
 ggagngnttt tgggnaaatt gggnccccgg gggtttttaa gnccttctnt cccaaaattn 480
 ccccagggtt ggacctttt 499

<210> 866
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aggaatgcac agtgtttccc tgtttatcca tcccctgtca aactgcagag tggcactcat 180
tgcttggtga cggaccagct cctccaaggc tctgaaaagg gcttccagtt cccgtnaacc 240
ttgnctggnc tgacctcggg aagcnagggg ctgtgacacc tggnagtgcc ctgnggtgcc 300
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<212> DNA
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<400> 867

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ccgtgggtggc cgacacgggc gacttccacg ccatcgacga gtacaagccc caggatgcta 180
ccaccaaccc gtccctgatc ctggccgcag cacagatgcc cgcttaccag gagctggtgg 240
aggaggcgat tgcctatggc cggaagctgg gcgggtcaca agaggaccag attaaaaatg 300
ctattgntaa actttttgtg ttgtttggag cagaaatact aaagaagatt ccgggccgag 360
tatccacaga atagacgcaa ggctctcctt tgataaagat gcgatggtgg ccagagccag 420
gcggnctatc gagctctaca aggaagctgg gatcagcaag accgaattct tataaagctg 480
tcatcaacct ggggaaggna ttcaggctgg aaangagctc gaaggagcag cacggcatcc 540
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<210> 868

<211> 413

<212> DNA

<213> Homo sapiens

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<221> misc feature

<222> (360)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (389)

<223> n equals a,t,g, or c

<400> 868

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ggcagggctg agccagcgac gccctccatt cactctccgc gcccgttctc cggctgtcct 120
cccgttccgc tgcccgcctt gccaccatga cggaacaggc catctccttc gccaaagact 180
tcttggccgg agnatcgccg ccgccatctc caagacggcc gtggctccga tcgagcgggt 240
caagctgctg ctgcaggctc agcacgccag caagcagatc gccgcgcaca agcagtacaa 300
gggcatcgct gactgcattg tccgcatccc aaggagcagg cgtgtgtcct tctggagggn 360
aactttgcaa cgtcatcgct acttcccant caagcctcaa ttcgcttcaa gat 413
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<210> 869

<211> 600

<212> DNA

<213> Homo sapiens

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<400> 869

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ctgcaacacc ccaacaggcc caggaagtac acgagaagct ccgaggatgg ctgaagtcca 120
acgtctctga tgcggtggct canagcacc gtatcattta tggaggctct gtgactgggg 180
caacctgcaa ggagctggcc agccagcctg atgtggatgg cttccttgtg ggtggtgctt 240
ccctcaagcc cgaattcgtg gacatcatca atgccaaaca atgagcccca tccatcttcc 300
ctacccttcc tgccaagcca gggactaanc agcccaanaag cccagtaact gccctttccc 360
tgcatatgct tctgatgggtg tcattctgctc cttcctgngg cctcatccaa actgtatctt 420
cctttactgg ttatatcttc accctgtaat ggttgggacc aggccaatcc cttctccact 480
tactataatg gttggaacta aacgtcacca aggtggcttc tccttggctg agagatggaa 540

ggcgtgnngg gattingctcc tgggttcctt aagccctagt ganggcanaa gagaaaccat 600

<210> 870

<211> 497

<212> DNA

<213> Homo sapiens

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<222> (28)

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<222> (492)
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cgagctgcag actctncagg acatcctcgg ggaccctggg gacaaggccg acgtgggncg 180
gntgagccct naggttaagg cccggtcaca gtcagggncc ctggacgggg aaagtncctgc 240
ctggtcggtc tcgggcgaag acagtnggga ncagcccagag ggtcccttga cttccaggtn 300
cccccggttc gcccaagtgg nctccggccc cgtaggttac aacatttncg antnngnccc 360
atcacgcnag ggcaaganat tagagaggga cgctttaaga gcagagcaca gcttnattca 420
gagaagttcc aggataaccc anttcgtttc ttgagtttac atcccttttt tggnggataa 480
aaagcatctt tngccat 497

<210> 871
<211> 568
<212> DNA
<213> Homo sapiens

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<220>
<221> misc feature
<222> (435)
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<220>
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<222> (484)
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<220>
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<222> (510)
<223> n equals a,t,g, or c

<220>
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<222> (533)
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<400> 871
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cgccgcacag ctgctgagaa tgagtttgtg gtgctgaaga aggatgtgga tgctgcctac 180
atgagcaagg tggagctgga ggccaagggtg gatgccctga atgatgagat caacttcctc 240
aggaccctca atgagacgga gttgacagag ctgcagtccc agatctccga cacatctgtg 300
gtgctgtcca tggacaacag tcgctccctg gacctggacg gcatcatcgc tgagggtcaag 360
gcacagtatg aggagatggc caaatgcagc cgggctgagg ctgaagcctg gtaccagacc 420
aagtttgaga ccctncaggc ccaggctggg aagcatgggg acgacctccg gaatacccgg 480
aatnagattt cagagatgaa ccggggccatn cagaggctgc aggctgagat cgncaacatc 540
aagaaccagc gtgccaagtt ggaggccg 568

<210> 872
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<212> DNA
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<220>
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<222> (83)
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<220>
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<400> 872
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ctcgctaacc tngccttacc ccncnctatt aacctactgg gagaactctc tgtggctagt 120
aaccangtte tncctgatcaa atatcactct cctacttaca ggaactcaac atactagtgc 180
acagcccnat actcccnntg acatattttac cacaacacaa ngggggct 228

<210> 873
<211> 433
<212> DNA
<213> Homo sapiens

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<222> (318)
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<222> (327)
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<220>
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<223> n equals a,t,g, or c

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<222> (363)
<223> n equals a,t,g, or c

<220>
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<222> (368)
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<222> (424)
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taaaagcaac agaacacttg cccttcccaa aatgaaggga gaggagatgg ggcttctctt 120
cctctccctt gagtgggaaa ggagctcttg gggctggtcc ttcagcacag aggaggggtc 180
actgaaagcg ttattgacca gctgctgtac cttctgcata tcaactccacg ctcactgcct 240
ttttctcttc cttgcattgg ctctgtgcc tgtgccggct cctgcaaata caaagatgca 300
aatgcacntc cttgcaanaa gagtgantgc aggcctttcc tgcgaatntg ggggatgggc 360
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anangattca att 433

<210> 874
<211> 84
<212> DNA
<213> Homo sapiens

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<220>
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<400> 874
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<210> 875
<211> 507
<212> DNA
<213> Homo sapiens

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<220>
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<222> (497)
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<222> (500)
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<220>
<221> misc feature
<222> (503)
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<400> 875

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ggaagaggat ggagatgaag atgaggaagc tgagtncagt tacggggccaa gcgggcagct 180
gaagatgatg aggatgacga tgtcgatacc aagaagcaga agaccgacga ggatgactta 240
gacagcaaaa aaggaaaatt taaacttaaa aaaaaaaagg ccnccgtgac cttttttaccc 300
tccatttccc ttttcagatt ttaaacgtgg tcacctttcn gttagaaggg cccccccnnc 360
cancnttggg aattcccntt tccnnnttt nncaggggtt ttttcannnn cccnnnceen 420
aaccttgggn tttttnaana ggggngggna aaannnccca atttttnngg nccntttttt 480
tttttnaaan ntttttnnan ggntttt 507

<210> 876

<211> 190

<212> DNA

<213> Homo sapiens

<220>

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<222> (24)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (37)

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<400> 876

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aaattgaaac ctggcgcaat agatatagta ccgcaaggaa agatgaaaaa ttataaccaa 120
gcataatata gcaaggacta acccctatac cttctgcata atgaattaac tagaaataac 180
ttttgcaagg 190

<210> 877

<211> 315

<212> DNA

<213> Homo sapiens

<220>

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<222> (270)

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<400> 877

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ggttttgggg gttgttctcg gtttgcagga accctggtaa ttagtcttgc ccccttctc 180
ccagctcact cgcctgggct tgcacagtac attggaacgt gcgggttcta ttttgtattc 240
gacgtgccgg atcgaaatag agctcgcggn actgcgaaga ccacagtagg aagttaagga 300
cgggggtcagt gctga 315

<210> 878

<211> 295

<212> DNA
<213> Homo sapiens

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cncctcccnng ccaaaaagat tnnctaatac tgcttgtagc agccagagaa agatccaaaa 120
cactacncag cncctctngca cngaggaaat ntttccccc acatngactc cnggcctaca 180
tcagccaaac nnaaccnngg tgggggtttg atttgatagc caatnagttc tgtgctgggt 240

gcaaagaatt gatatnttag atggnttnta atacntcagc agatttgtct ttncg 295

<210> 879
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<212> DNA
<213> Homo sapiens

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gggcactatc ttctggaatg aaatcggcca agaaaatggt tcaagggcat ggggggttaga 180
gaatgtttct tttaacctaaa aatgttaagc caactatgga agattgggggt cgtgggggca 240
tgaaatacaa aattatgata atttatacag aactagggtt ctttatgttc tgcaagaagg 300
tttttattag ctaatttggg gagggggggcc atgctgcagt attttttttc ctggggaaca 360
tgccatttct gatggggaag ttattttggt tacaagagtt ggtttaccac acaaccctga 420
atgaatgtgn caatggccta a 441

<210> 880
<211> 112
<212> DNA
<213> Homo sapiens

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aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaanaaa aaaannaana na 112

<210> 881
<211> 162
<212> DNA
<213> Homo sapiens

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ccaagacatg aacattttta gctgtaactt aactattaag gccttttccc acacgcntta 120
atagtcccat tttctntttg gncattngtg gctntgcccc at 162

<210> 882
<211> 117
<212> DNA
<213> Homo sapiens

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<400> 882

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aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa naaaaaaaaa aaanaaaaana aanaaan 117

<210> 883

<211> 452

<212> DNA

<213> Homo sapiens

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<222> (55)

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cacggtncc ggnaattccc gggtcgaccc acgcgtccgc ccacgcgtcc gcccacgcgt 120
ccgcccacgc gtccgctcgt gccatgatct gtatttaatg gtttttattt ctggggtgca 180
tttgagagaa gccacgctgt cctctcgagc ccagatggaa agacgttttt gtgctgtggg 240
cagcancctc ccccgacgcg gggttaggga agaaaactat cctgcggggt ttaatttatt 300
tcattccagtt tgttctccgg gtgtggcctc agccctcaga acaatccgat tcacgtaggg 360
aaatgtttta ggantttctgc agctatgngc aatgtggcat gggggggcgg gcagtcctgc 420
ccatgtgttc cctcatctgn tcagccaneg nc 452

<210> 884
<211> 340
<212> DNA
<213> Homo sapiens

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cggcggctcc gtggcgtttt gggccggggg tcgcctttcg cgcgcccagc attcacgggg 180
gctccggcgg ccgcggcgta tccgtntcct ccgcccgcctt tgtgtcctcg tcctcctcgg 240
gggcctacgg nggtggntaa ggnngggggtc ctgaaccgcn tncnaacggg gtgctgggcg 300
ggcaacgagg aagcttaaac catgcagaac ctnaacgacc 340

<210> 885
<211> 52
<212> DNA
<213> Homo sapiens

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52

<210> 886

<211> 303

<212> DNA

<213> Homo sapiens

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gctcagggtt actggcttta taacagtnng cataacgcct aaagcatccc ctctgcacgt 180
gactgagcat gtnccttaacc agaggagctg aacggagtg agaaaatagt agtttttaggg 240
cttagtgagc agaggaagca gcttctctgg tgctttatit aatagaacat ttaagagtgc 300
tca 303

<210> 887

<211> 649

<212> DNA

<213> Homo sapiens

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<222> (438)

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aggccctcgc gtcttgetga gcccggggag ttaggatgac gcgagcgggtg agggagcccc 120
gaacgattcc ttcgcggaac aattgaggcg aagcctttgg gagtactttg tgggacggac 180
cctggcgggc cctgccanac ncacanggat ggcggcgga ggcggccgatt tggggctggg 240
ggccgcccgc cccgtggaac tnaagcggga gcgacgcgtg gtgtgcgtgg agtaccggg 300
aattggtgcg tgatgtggct aaaatgctgc ccactctggg cggggaaaga aaggggtctc 360
cccggatctt acccagaanc ccccnagaa agcttgggan cttgtttctt cccggggccc 420
aaggaacca ttacttgncc ccccccngtg tttgggcca aaccgcctt ccantacca 480
ancaancctt gcttgcttcc ccctttccnn ggnaaaaaaa aaaacaaaag ggggggggaa 540
aaaaaagggg ttntcttggg ggccccttta aaggncccc tncnnaagg ttcccctttt 600
tgaaaattgg gaaaaatcct ntgggggttc cttcttcccc ccccttttt 649
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<210> 888

<211> 72

<212> DNA

<213> Homo sapiens

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<210> 889

<211> 238

<212> DNA

<213> Homo sapiens

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taagnttgcc aacttcttnc cctgaacagc atttntcttg ttttgatacc cacctacact 120
tatattagaa angnntgca aactatntag ngactccnct ttnaattnat ggncgtatgc 180
ctnaagaatg ttttgaaata taaagcctat cccgtttgcc cagnttgtaa atttcagg 238

<210> 890

<211> 225

<212> DNA

<213> Homo sapiens

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<222> (185)

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cgtggagctg gcctcggcct cggcatcggg agaggctgga cttcctgtct ctctgtgctg 120
aanggctgcg atggcgcccc ctctcactga cgcagcagct gaagcacacc atatccggtt 180
caaantggct ccccatcct ctancttgct ccctggncag tgnng 225

<210> 891
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<212> DNA
<213> Homo sapiens

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aattcactgg ccgtcgtttt acaactncgn gatganggaa atntaaaata cttccgagct 120
cgtatgttnt 130

<210> 892
<211> 421
<212> DNA
<213> Homo sapiens

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gaacatttga aagaactgca aattgtcctt gccagctctt gggatccttg gatacctggg 120
gccatttaag aagctagggg aattaggcca caacaccccc tgggacatcc gaaagctaca 180
ccacagatgc cagtggttca tgccttcttc ccgcaacttt aggaaaattt atttatttat 240
tgtttattag ttatgggggg agagggggaga tttaaaggac cagggacatg ggaaccaagc 300
catagggatc agaggggctt gtccttgaac actactgggg tatattcagg ctcatccacg 360
cagctgctgg gttcttgccc taacggccct cccctgcaac atccgtcttg gaggagaggc 420
t 421

<210> 893

<211> 307
<212> DNA
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gtaaagtggg gatggggtaa aagtgggtta cgtcactgtt ggatcaacaa ataaagggtta 120
cagttttgta agagaagtga tttgaataca tttttctgga actattcata atatgaagtt 180
ttcctagaac cactggagtt tctagtttaa tagtttgcta tgcaatgnac cacctaaaac 240
aatactttat attgttattt ttcngaaaga ctcaaaacac ctgtaattnt aaaccttaat 300
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<210> 894
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<212> DNA
<213> Homo sapiens

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<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (453)
<223> n equals a,t,g, or c

<400> 894
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tatcccaaca aattanactc ccctctgtca tgtcaatatt ggaattgtag ctcacaggtg 120
tttgcttana tcagtcaccc agagaggaag aatgatagag aaaacttgtg ctctgacact 180
actgattctt acatagtggg acaatatctt tcttgataat gaattgtagt tattataaat 240
cgggtgatcac gtgaccctaa aggcacccaa ataaatcttt agtaaaataa ttctgatgac 300
acaatgaatg aattattttt aaggcatttt cttggactag caatgtattc ttagagtggc 360
gactgaatgt gcatacctca atgatccatg ttttactcat tcnnnggtcc ccaggccacc 420
cagggcaacc aggcctcctt ggacctctg ggn 453

<210> 895
<211> 596
<212> DNA
<213> Homo sapiens

<220>
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<220>
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<222> (570)
<223> n equals a,t,g, or c

<400> 895

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caagggaaaag atgaaaaatt atagccaagc ataatatagc aaggactaac ccctataacct 120
tctgcataat gaattaacta gaaataactt tgcaaggaga gccaaagcta agacccccga 180
aaccagacga gctacctaa aacagctaaa agagcacacc cgtctatgta gcaaaatagt 240
gggaagattt ataggttagag gcgacaaacc taccgagcct ggngatagct ggtgcccaaga 300

tagaatctta gntcaacttt aaatttgccc acagaaccct ctaaattccc ttggaaattt 360
aactggtagt ccaaagagga acagctcttt ggacactagg aaaaaacctt ggagagagag 420
taaaaaattt aacacccata gtaggcctaa aagcagncac caattaagaa agcgntcaag 480
ctcaacaccc actacctaaa aaatcccaaa catataactg aactnctnac acccaantgg 540
accaatctat canctatag aagagctaan ggtaggataa ggaacatgaa aacatt 596

<210> 896

<211> 351

<212> DNA

<213> Homo sapiens

<220>

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<222> (183)

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<400> 896

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gcacaagttt cagcgagaga aggagaaaac tgccttggtt ggaaccttgc agtgcaggga 120
aaggggtgtg gcggcctttg ctgggggaaat ggcggacgac aagtggggcg gaggaggcct 180
gcntccggaa agtcagtaga attcatcaca agagagctac aagagcctgg aagaagctga 240
agacttgcta ccctccatcc ttacttcacc ctgggacctg aggagacctc ttcaatcaga 300
aatggaaaca gagagattct cctgggaaac ccctgcccc aacacggccc t 351

<210> 897

<211> 72

<212> DNA

<213> Homo sapiens

<220>

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<222> (5)

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<220>

<221> misc feature

<222> (9)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (58)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (59)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (68)

<223> n equals a,t,g, or c

<400> 897

ggcanaggna gagagagaga gagaactagt ctcgtgtttt tttttttttt ttttgggna 60
aaaatttnat tt 72

<210> 898

<211> 383

<212> DNA

<213> Homo sapiens

<220>

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<222> (87)

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<220>

<221> misc feature

<222> (176)

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<220>

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<222> (224)

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<222> (226)

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<222> (271)

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<222> (362)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (366)
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<400> 898
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cacgaggcaa ccgctccgga acgccangtg ggggcgaggc gtctcggagt ctcagagaca 120
ccaaggcccc tgcgacaagg tggctgcagc taggccgggg gcgtcaggac gacggnagcg 180
ggttcggggtc ggtgacacgc agacctgagg gagctgggcc cgcntnttcc gcccgcgccc 240
cagcccttgc agatcgagat ttgcgtccta nnatggggaa aaaagcagag gccagggcgc 300
cgattttatt tggagagaag caagcttctt tgncttctt tgggattagg aaatttcana 360
cntggnaaaa atggtgtgtg gtt 383

<210> 899
<211> 172
<212> DNA
<213> Homo sapiens

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<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (115)
<223> n equals a,t,g, or c

<220>
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<222> (131)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (143)
<223> n equals a,t,g, or c

<220>

<221> misc feature
<222> (161)
<223> n equals a,t,g, or c

<400> 899
ggcacgagct tgttcgtctc actggtgtga ctccagcacc ccctttgctc gaaatggacc 60
ccaactgctc ttgcgccact ggtggctcct gcacgtncgc cggctcctgc aattncaaag 120
agtgcaaagt nacctcctgc aanaagagct gctgttcctg ntgccccgtg ga 172

<210> 900
<211> 101
<212> DNA
<213> Homo sapiens

<220>
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<222> (40)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (54)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (89)
<223> n equals a,t,g, or c

<220>
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<222> (99)
<223> n equals a,t,g, or c

<400> 900
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ctccttcacg aaaccgactc ggctgtggnc accgcgcgnc g 101

<210> 901
<211> 358
<212> DNA
<213> Homo sapiens

<220>
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<223> n equals a,t,g, or c

<220>

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<222> (36)

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<220>

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<222> (97)

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<222> (335)

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<222> (341)

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<220>

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<222> (348)

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<220>

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<222> (349)

<223> n equals a,t,g, or c

<220>

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<222> (358)

<223> n equals a,t,g, or c

<400> 901

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gctagctgcc cctttcccgt cctgggcacc ccgagtnacc cccgaccccg ggtcccaggt 120
atgctccac ctccacctgc cccactcacc acctctgcct agttccagac acctccacgc 180
ccacctggtc ctctcccatc gccacaaaaa gggggggcac gaggggaacga gcttagctga 240
gctgggagga gcagggtgag ggtgggcgac ccaggattcc cctcccttc ccaattaaag 300
atgagggtat taaattgtct tgggttttaa ttantatta nttttttnt ttttccan 358
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<210> 902

<211> 423

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (343)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (386)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (391)

<223> n equals a,t,g, or c

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<222> (407)

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<221> misc feature

<222> (420)

<223> n equals a,t,g, or c

<400> 902

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aggatagcat gccacctgca actcactgca tgaccctttc tgtatatcca aaccaagct 120
aagtgccttc gttgctttcc aaggaaacaa agagtcaaac tgtggacttg attttgtag 180
cttttttcag aatttatctt tcattcagtt cccttcatt atcatttact tttacttaga 240
agtatccaag gaagtctttt aactttaatt tccatttctt cctaaaggga gagtgagtga 300
tatgtacagt gttttggaga tgtatacata tattccagaa ctngggggaa tcttattaag 360
ttatggatat accaccgtaa cggtcnaaaa ngtttaaaga acccatncgg taaggtaatn 420
ggg 423
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<210> 903

<211> 362

<212> DNA

<213> Homo sapiens

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<221> misc feature

<222> (64)

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<220>

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<222> (116)

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<221> misc feature

<222> (177)
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<222> (273)
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<220>
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<222> (305)
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<222> (309)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (351)
<223> n equals a,t,g, or c

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agtnagggct gagtgggtat caccttctcg gtgagaaaat caatttcctg agagtnttgt 120
aaactaggac ttagagtact aatcatggtg tttttcagaa attatatata tatttttnaag 180
tcagggtctc accgtgtcgc ccaggctgga ggcagagggt gtggctcgtg ccgaattcga 240
tatcaagctt atcgataccg tgcacctcga ggnngggggcc cggtaaccaa ttcgccctat 300
tagtnagtng gtattacaat tcaactgggcc gtcgttttta aaacgggggt nactggggaa 360
ac 362

<210> 904
<211> 309
<212> DNA
<213> Homo sapiens

<220>
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<220>
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<222> (267)
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<220>
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<222> (278)
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<222> (294)
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<400> 904
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ggcgggtccgg ctctcgatgg tggcgtgacg ggggcggggg tggcggnngcg ttctcctcgg 120
ttgggaagga accagcccg cgaacccaggn cgggaagggg gntcggcctn ngggggaang 180
gactgacatg tctctcgaag accccttttt tgtagtccga ggcgaggtgc agaaagcggt 240
gaacacgggn ccgcgggctg taccagnct ggtgcganct cctgcaagaa anncggcgt 300
tcggaacgc 309

<210> 905
<211> 388

<212> DNA
<213> Homo sapiens

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<222> (66)
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<222> (128)
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<220>
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<222> (364)

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<222> (375)

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<222> (381)

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<400> 905

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nnctgnaccc aggagcagct gcaccacttg naaagtcgcc tcattctcta agcactcctt 120
tcccctgnng tccccttcga accctgaagc cctctgggtg gcgctctgcc cgatgcacag 180
ccacctaaagc nagccccccag gttagaaacg tgggttaaag ctcttgccctg ccccgtaaag 240
gcttcactcc naccctttta agcgtcctgc cccttcacct tgaacccggg ttccccccatt 300
ccanttcctg ggctttgnca tgatttggtt ggttcaatgg ttccttcttt cctgaggggg 360
cttnagggtt ttggnggggg ntaagggtt                                     388
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<210> 906

<211> 349

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (16)

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<222> (17)

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<221> misc feature

<222> (36)

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<223> n equals a,t,g, or c

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<220>
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<222> (170)
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<220>
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<222> (316)
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<220>
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aggggtgtgtt tcaacttatg tacgtactgt ntcatgcagg tttatagcac ggtagagtag 120
aaggcggctt ctgattttta ggggtattttt agaattcatt cctgaatgan gggttcagac 180
accagctctc ctcggaacag ggggtgagggg tcgactganc tttgttgaga agcctccagt 240
taaggcttcg ggcgggtctc catgttgtat tgtgtgttta ctgagcttcc cactgggttag 300
aagatgacac atttgnccat cgtcctgtgt atctganatt cccagggga 349

<210> 907
<211> 469
<212> DNA
<213> Homo sapiens

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<222> (138)

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<220>

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<222> (201)

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<220>

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<222> (203)

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<222> (351)
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<220>
<221> misc feature
<222> (395)
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<222> (445)
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<222> (460)
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<222> (462)
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<220>
<221> misc feature
<222> (465)
<223> n equals a,t,g, or c

<400> 907
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cgatagaaat tgaaacctgg cgcaatagat atagtaccgc angggaaaga tgaaaaatta 120
taaccaagca taatatanca nggactaacc cctatacctt ntgcataatg aattaactag 180
anataactnt gcaaggagag ncaagctaa gaccncgaa accagacgag ctacctaga 240
acagntaaaa gagcacaccc gtatatgtag caaaatagng ggaagattta tnggtagagg 300
cnacanacct accgagcctg gngatatgct ngntgtccaa gataagaatc ntaggttaac 360
ttttaaattt ggccacagaa cccttttaaa tccnttgga aatttaactg gtaagcccaa 420
agaggaacaa gttttttgga cactngggaa aaaaccttgn anaanagag 469

<210> 908
<211> 95
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
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<220>
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<222> (81)
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<222> (93)
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<400> 908
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aaaaaaaaaa aaaaaaannn nggggggggc ccngt 95

<210> 909
<211> 373
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
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<220>
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<222> (222)
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<221> misc feature
<222> (225)
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<220>
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<222> (271)
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<220>
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<223> n equals a,t,g, or c

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<222> (337)

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<222> (367)

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<221> misc feature

<222> (372)

<223> n equals a,t,g, or c

<400> 909

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tttcctgcca aaagtgccan agatcaactt ggaaaacaaa atcctcacag agggagagta 120
aagaacactt gattagtctc attagcacct gtagctactt ttctaaagtt aattcctgaa 180
ggcccttgaa agcttcacta tgagattgaa tttgcaccat tncncaatg gtctttgcaa 240
tgagggatgg gggatagtgt gatggtcctt nccaaccatc cctggaagaa gaagccaaaa 300
aactttttcc cgaaaggagt tctttcacen aagnagntcc catctgggca ggaaattacc 360
tccgggnaac ana 373
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<210> 910

<211> 721

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (516)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (624)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (627)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (691)

<223> n equals a,t,g, or c

<400> 910

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ggcaatacat ctacccactc cattattttt taaaacttca ttaatatgtt taaacaagat 120
tggtttttgtt ttcaattttt attcactctt catagaatca caattacctt tatatatcat 180
atgttatttg aagagattcc tcagtaatct ccaatctctc atagtgcctc acaggggttg 240
tcaatggctt ttggaactgg aaggacctta gaacttatct gttatgctcc tgatagccaa 300
tagcagatag aagcttgcaa tcaagagggt aggacatgtg ttcttcaatg gatatcaaag 360
gaagagggtg caaaccaaag ccatttggca agccctgtag cctgggccat ttaagacagg 420
ggcgggtctc gccaaattgc acccatttaa ctatcccaa gagccacaag tgcctacaac 480
ccaggcccta agttgatgaa gaaaaagtca aggaangagg tgatcaattg gaaatattcc 540
catcaaattg gtaaaacttat ttagaaaatg ggcatattag aaaaagcctt ccaagatgat 600
tttgataaat aaaagtggat ttgnggnaat gggaataact ctgggtaagc cctacattat 660
cccttacatt tggtttaggg acctactgac ntaaattaag gaaacatggt aaagtacctt 720
g 721
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<210> 911

<211> 564

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (338)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (342)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (365)

<223> n equals a,t,g, or c

<220>

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<222> (366)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (370)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (376)

<223> n equals a,t,g, or c

<220>

<221> misc feature
<222> (411)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (445)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (475)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (481)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (493)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (494)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (505)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (525)
<223> n equals a,t,g, or c

<400> 911
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tgggacccag tagtttccca tcccaaacct gctttccgag aagggttca aacccaaaat 120
gtgaatcccg cctcccctct cagccagaac tgtggactcg tcccggggag gggcgggtggg 180
tggggcgggg ctggcgggaa atttcggttt tggcgcgctc cctgcggcga cgctccatcg 240
tgcgctctcc tcttcccccg gtggtctcct cgctcgctt ctggctctgc atgccctgct 300
ctgaagagac acccgccatt tcaccagta agcgggcneg gntgcggaag tgggcggcat 360
gcagnnccgn tttgcncggt tttcgagcaa gccaaagccc caacgggggt ngggcgcgcg 420
gggggttaaga ctgtaaaatg gctangatta aacataccac tatggagaaa ttttntgaaa 480
nggaattcaa aanngtcctt ttgngtaat gaaaatggtc aagtnagggt ggtgaaaaat 540
ttttgattag actgggtaaa atga 564

<210> 912
<211> 408
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (360)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (380)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (383)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (384)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (395)
<223> n equals a,t,g, or c

<400> 912
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atacgctatt gtcctgcccg ttagagcagc cagcgggtac agaattggatt ttggaagagg 120
gagtcaccac tggacctcca aggaagccac gtgcagacat ctacaacctt cgatctcctg 180
acgagtttat tggtggccaa aaccaggctt tgattgaacc aggatgaatg cgggtgttgg 240
aagtagaata tatatatata tataaaattg gttgggagcc acgtgtacca gtgtgtgttg 300
atcttggtct gattcagtct gccttgtaac agaactggcg atggaatatg agaggagccn 360
ctggaaagaa aaggacagan ccnntgcttt catgnaagtg agatctgg 408

<210> 913
<211> 355
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (139)
<223> n equals a,t,g, or c

<220>
<221> misc feature

<222> (141)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (246)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (328)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (331)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (334)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (343)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (346)
 <223> n equals a,t,g, or c

<400> 913
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 gccatcctgg cttcgggggc gccggcctcc agggcccgagg aaggagaact cctagggcta 120
 ctaaatactc gctggaggng ntggcttctt atgcgggagg acgtggcgga gggcctgact 180
 ttgggagccg ggggttgact ggattggtga ggcccgtgtg gctacttctg tggaagcagt 240
 gctgtnagtt actggaagat aaaagggaaa gcaagccctt ggtgggggaa atatggctgc 300
 gatgatggca ttcttaggac accttgnta ntantgaaac aantantctct gagca 355

<210> 914
 <211> 377
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc feature
 <222> (6)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (143)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (275)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (298)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (311)
 <223> n equals a,t,g, or c

<220>
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 <222> (314)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (328)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (368)
 <223> n equals a,t,g, or c

<400> 914
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 aacgccttcg ccttcgggtcc ggagctcagc agcctcatca cgccgctcgc catccagacc 120
 cacaactttg ccgccgtggc cgnccgccgc tactaccgca gtcagcagca gcagcagcag 180
 cagggcctgg cgccccccgc gcagcgccgg cgccgcccag cgcgaccctc cccgcccggg 240
 ccgcccgcacc tccctcgccg cccttcagct tccanctgcc ggcgcggcct tgtccgantic 300
 gcccggtgttt ngangcggcc cccaagcncc ccgggattcg ctgttcggaa cgggaaagta 360
 acttaaancg gggtcct 377

<210> 915
 <211> 509
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc feature

<222> (133)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (166)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (172)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (226)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (407)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (431)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (482)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (493)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (501)
<223> n equals a,t,g, or c

<400> 915
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cctctccctt ccaaattctt ggtgccacca ttgagaaact ccaggattgt cctgcagatc 120
gacaacgccc gtntggctgc agatgaactt ccgaaccaag taagtntctc tntcctgggg 180
gctgcagaag ccaggactgg ggtagggggt gggggggtta ggaatntgcc ctcacctagc 240
ctagatggcc tgaagctaaa cccccctatg gactcctgaa ctctggggag gtagggaagt 300
cttcagagat gctgaggaag ctctgcctgg ctgcaactat tttccttgaa aggtttgaga 360
cggaacaggt ttgcgcatga gcgtggtagg ccgacatcaa cggctgngca ggtgctggat 420

gagctgacct ngccagaccg acctggagat gcaatcgaag gcctaaggag agttggctac 480
tnaagaggac cttagagtgg nttaagttg 509

<210> 916
<211> 135
<212> DNA
<213> Homo sapiens

<220>
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<222> (1)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (25)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (58)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (62)
<223> n equals a,t,g, or c

<220>
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<222> (77)
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<220>
<221> misc feature
<222> (102)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (115)
<223> n equals a,t,g, or c

<400> 916
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tnacaacgta acacaangct tacttatagc acccaacaaa antgtctctg tgganccact 120
tcccagtgaa ctaca 135

<210> 917
<211> 230
<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (54)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (68)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (80)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (92)

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<221> misc feature

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<220>

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<222> (122)

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<220>

<221> misc feature

<222> (150)

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<220>

<221> misc feature

<222> (166)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (192)

<223> n equals a,t,g, or c

<220>
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<222> (207)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (228)
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<400> 917
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gcctccantc ctgcctctan catgtccatc anggnagacc agaagtccta caaggngtcc 120
anctctgggc cccgggggctt cagcagccgn tcctacacga gtgggnccgg ttcccgcata 180
agctcctcga gnttctcccg agtgggnagc agcaactttc gcggtggnet 230

<210> 918
<211> 529
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (286)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (297)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (334)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (337)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (374)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (384)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (407)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (410)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (427)
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<220>
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<222> (429)
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<220>
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<222> (461)
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<220>
<221> misc feature
<222> (481)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (489)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (519)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (526)
<223> n equals a,t,g, or c

<400> 918
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tctcctgctc ctagagggttg agaacaaaaa catgcacctg gagtttcccc ggagccctct 120
gcgtgggttg gcttcgggtg aatttcgggg ctcttggtg ccagcgcgct tgccctggtag 180
caacagaaac cagtcctgct cgccctccgtg gacatttcac taccatccag aagtgtctcc 240

cactgaaggc atccgtgggt gtttttaagc cacaaaaaag ccacanccaa gatcacntga 300
caaccaccct gacaagtgtt ccattgatgtt gggncngag ggaggtgaag gtttttgtgg 360
tcaagttcct tggncctgcc tgncccggtt tttttgagga cgtgcanaan ttcccttttg 420
actgaangnt tcaagttggg gccccaaggt tccatttaat nacattgggg gggcaagcaa 480
nattggtgng gtttttttga attggttcaa aggtgtttna aaatgnccc 529

<210> 919

<211> 238

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (1)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (26)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (53)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (88)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (94)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (113)

<223> n equals a,t,g, or c

<220>

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<220>
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<222> (215)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (230)
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<400> 919
nagccctgcg gatggctcctc catggntccc tagtgccctg gagaggaggt gtntagtga 60
agagtagtcc tgggaagatg ggcctctntg aagnagccac ggggacagca tcntgcagat 120
ggtcctggcc cttntccac cgacctgtct acaagnactg tgcctcgtgg accctccnnt 180
ctggcacagg aagctggacc cttaaagtccc ttgtncacc gccaggaan tggtagcc 238

<210> 920
<211> 442
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (262)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (268)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (303)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (382)
<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (385)

<223> n equals a,t,g, or c

<400> 920

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ctcgagtgat ttgagaaaac ttacaaaagg tggaaaatct acgtgggcct ccgaaagtca 120
gatttgacaa gatcaaagct gcaggaaaat ggacagtgag gttcagagag atggaaggat 180
cttggatttg attgatgatg cttggcgaga agacaagctg ccttatgagg atgtcgcaat 240
accactgaat gagcttcctg ancctganca agacaatggt ggcaccacag atctgtcaaa 300
gancaagaaa tgaagtggac agacttagcc ttacagtacc tccatgagaa tgttcccccc 360
attggaaact gacgtttggc tncntctctg tggatggatt ttctcaaagt acacagataa 420
agcatgggtg tttcagtcgt cc 442
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<210> 921

<211> 444

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (302)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (378)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (430)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (440)

<223> n equals a,t,g, or c

<400> 921

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caatggcggg cgccctccc ccagcctcgt tgccgccttg cagtttgatc tcagactgct 60
gtgttagcaa tcagcgagac tccgtgggca taggaacctc cgagccaggt gcgggatgta 120
atctcgtggt gcaccgtttt ttaagccagt ccgaaaagcg caatattcgg gtgggagtga 180
cccaattttc caggtgcgtc cgtcacccct ttctttgact cggaaaggga actccctgac 240
cccttgcgct tcccaagtga ggcaatgctc tccctgcttc ggctcgcaca cggtgcgcg 300
anccactgac ctgtgcccac tgtctggcac tccctagtgt agatgaaccg gtacctcaga 360
tggaaatgca gaaatcance gtcttctgcg tcaactcatgc tggagctgta gaccggagct 420
gttcctaata cggcatttgn tcct 444
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<210> 922

<211> 394
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (268)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (286)
<223> n equals a,t,g, or c

<220>
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<222> (294)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (318)
<223> n equals a,t,g, or c

<220>
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<222> (370)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (372)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (374)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (388)
<223> n equals a,t,g, or c

<400> 922
gaaccgggta gcttggccag gttgtgagga accgcagcgc gccgcaggac cgggccgctg 60
agcctgcagc cgccccgcgc cgtgacctgc gaccctagac cccgaactccc ttgggctcag 120
cccgcgcgcc ccaggcccg cccggggcgc gcgacgggag gatgagcggc gggcggcgga 180
aggaggagcc gcctcagccg cagctggcca acggggccct caaagtctcc gtctggagta 240
agggtgctgcg gacgacgcgc cctggganga taagataatt ttaagngtga ctantggttc 300
cgacaatat ctgtgtcntg gtgtcaattt gggattttcc ataacaggtt cttggaatac 360

agatttgctn anantcagat ctgtactnaa ttca

394

<210> 923

<211> 352

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (331)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (341)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (347)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (348)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (351)

<223> n equals a,t,g, or c

<400> 923

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tactagacca atgggactta aaccacacaaa cacttagtta acagctaagc accctaataca 120
actggcttca atctacttct cccgccgccg ggaaaaaagg cgggagaagc cccggcaggt 180
ttgaagctgc ttcttcgaat ttgcaattca atatgaaaat cactcggag ctggtaaaaaa 240
gaggcctaac ccctgtcttt agatttacag tccaatgctt cactcagcca ttttacctca 300
cccccaaaaa aaaaaaaaaa aaaaaaaacc ncggggggggg ncccggnncc na 352

<210> 924

<211> 436

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (368)

<223> n equals a,t,g, or c

<220>

<221> misc feature
<222> (433)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (435)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (436)
<223> n equals a,t,g, or c

<400> 924
ccactccacc ttactaccag acaaccttag ccaaaccatt tacccaaata aagtataggc 60
gatagaaatt gaaacctggc gcaatagata tagtaccgca agggaaagat gaaaaattat 120
aaccaagcat aatatagcaa ggactaacc cttataccttc tgcataatga attaaactaga 180
aataactttg caaggagagc caaagctaag acccccgaaa ccagacgagc tacctaagaa 240
cagctaaaag agcacacccg tctatgtagc aaaatagtgga gaagatttat aggtagaggc 300
gacaaaccta ccgagcctgg tgatagctgg ttgtccaaga tagaatctta gttcaacttt 360
aaatttgncc acagaaccct ctaaatcccc ttgtaaattt aactgggttag tccaaagagg 420
gacagctctt tgnngn 436

<210> 925
<211> 439
<212> DNA
<213> Homo sapiens

<400> 925
cccaaacc ca ctccacctta ctaccagaca accttagcca aaccatttac ccaaataaag 60
tataggcgat agaaattgaa acctggcgca atagatatag taccgcaagg gaaagatgaa 120
aaattataac caagcataat atagcaagga ctaaccctta taccttctgc ataataaatt 180
aactagaaat aactttgcaa ggagagccaa agctaagacc cccgaaacca gacgagctac 240
ctaagaacag ctaaaagagc acaccctgtc atgtagcaaa atagtgggaa gatttatagg 300
tagaggcgac aaacctaccg agcctgggtga tagctgggtg tccaagatag aatcttttagt 360
tcaactttaa atttgcccac agaacctcta aatccccttg taaatttaac tggtaagtcc 420
caaggaggac agtctttgg 439

<210> 926
<211> 183
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (179)
<223> n equals a,t,g, or c

<400> 926
caatctatca ccctatagaa gaactaatgt tagtataagt aacatgaaaa cattctcctc 60

cgcataagcc tgcgtcagat taaaacactg aactgacaat taacagccca atatctacaa 120
tcaaccaaca agtcattatt accctcactg tcaacccaac aaaaaaaaaa aaaaaaana 180
aaa 183

<210> 927

<211> 432

<212> DNA

<213> Homo sapiens

<400> 927

cggaagtgga ggaaagatgg aggaccatca gcacgtgcc atcgacatcc agaccagcaa 60
gctgctcgat tggctggtgg acagaaggca ctgcagcctg aaatggcaga gtctggtgct 120
gacgatccgc gagaagatca atgctgccat ccaggacatg ccagagagcg aagagatcgc 180
ccagctgctg tctgggtcct acattcacta ctttcactgc ctaagaatcc tggaccttct 240
caaaggcaca gaggcctcca cgaagaatat ttttgccga tactcttcac agcggatgaa 300
ggattggcag gagattatag ctctgtatga gaaggacaac acctacttag tggaactctc 360
tagcctcctg gttcggaatg tcaactatga gatccctca ctgaagaagc agattgccaa 420
gtgccagcag ct 432

<210> 928

<211> 439

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (86)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (413)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (415)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (439)

<223> n equals a,t,g, or c

<400> 928

agacaacctt agccaaacca tttaacccaaa taaagtatag gcgatatagaaa ttgaaacctg 60
gcgcaataga tatagtaccg caaggnaaag atgaaaaatt ataaccaagc ataatatagc 120
aaggactaac ccctatacct tctgcataat gaattaacta gaaataactt tgcaaggaga 180
gccaaagcta agacccccga aaccagacga gctacctaa aacagctaaa agagcacacc 240
cgtctatgta gcaaaatagt gggaagattt ataggtagag gcgacaaacc taccgagcct 300
ggtgatagct ggttggtccaa gatagtatct tagttcaact ttaaatttgc ccacagaacc 360

ctctaaatcc ccttgtaaata ttaactqta gtcccaagag ggacagctct ttngncacta 420
gggaaaaacc ttgtagggn 439

<210> 929
<211> 433
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (388)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (417)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (432)
<223> n equals a,t,g, or c

<400> 929
ctgcattcag cattttaagg atttatattc atagtcacgc gccgcttaag gaggattcat 60
tctgtgaaat gagttgtag gcagtttcat tgtgcgagca tcataggggtg aacttacaca 120
aacctagggt gcagagccta ctgcacacct cggctgtgtg gtctaacctg ttgctcctgg 180
actgcaaacc tgtacagcct gttactgtcc tgaatactgc aggcagttag aacagagtgg 240
tacatagttg tgtttctaaa catatcggaa cctagaaaag gtacagtaga aatacgggtat 300
tacaatctta tgggaccact gtctgtgtgc ggtctgttgt tgactgaaat gttatgcagt 360
acatgggctg ccatgagatt accttganaa ttttgccctga tatgaaacct agatatnacc 420
ttaaatatgg gna 433

<210> 930
<211> 390
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (332)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (354)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (360)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (375)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (388)

<223> n equals a,t,g, or c

<400> 930

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gtcccccaact cggagctcct ccagccccgct tcccgtatatt gcagcatgtc ccggcggttca 60
cagagcttgg ctgcctcctc tgtcccagga gagagatgct tagagctgtc ctcccaggga 120
gtcatgtcag cctctagggt gtgcatggga gctgagggga cactcctgct gcctccctgg 180
agtggtaatt aaccgggact ttctcctcctc cagaaccaac atcccgggta acggttgggc 240
tgaaggacag gtgacgtgtc cctaactccc ccccttcctt gcccgagggt ccggcatcca 300
acgtcttggc ttcttggtct tcaagcagga cnaccgattg gcttttctga agangcaagn 360
ccttaacctg gtaanttaaa acaaccanaa 390
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<210> 931

<211> 320

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (164)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (205)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (232)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (293)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (296)

<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (311)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (316)
<223> n equals a,t,g, or c

<400> 931
cggtacgcgt gggcggacgc gtgggcggac gcgtggggcc atctcacctc ttcattctct 60
tgttacattt gaagcagttg atataatggg ttataacttt aaaagataga catggtgccca 120
tgaagttggg gagttgggtg aattatccca ttctagttac agangagctt tccttaaatg 180
ccctttaact tctaggtttt gttcnagaag ttcattttct gagttaaaag tnattttcat 240
atatgttttg gggaaaatta actcatcctc aaaaagaatc cttattaggt tanttnaact 300
ccttaaaaact naaccnaatc 320

<210> 932
<211> 265
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (256)
<223> n equals a,t,g, or c

<400> 932
aaaaaagata tattaacagt tttagaagtc agtagaataa aatcttaaag cactcataat 60
atggcatcct tcaatttctg tataaaaagca gatcttttta aaaagatact tctgtaactt 120
aagaaacctg gcatttaaat catattttgt ctttaggttaa aagctttggg ttgtgttcgt 180
gttttgtttg tttcacttgt ttccctccca gccccaaacc ttttgttctc tccgtgaaac 240
ttacctttcc ctttttcttt ctctt 265

<210> 933
<211> 475
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (5)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (6)
<223> n equals a,t,g, or c

<220>

<221> misc feature
<222> (12)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (37)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (49)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (102)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (463)
<223> n equals a,t,g, or c

<400> 933
gtggnggcgc tnc tagaact atggatcccc cggctgncag gattacggnc acgagcaagg 60
gcagtgttac acttatgagg aactgtctct agccatccag gnaagtacta ctgggtctga 120
gggatggaaa gttcttctct ctatgaatga gaggaggactc ttccccctcac ccccaactga 180
aaccacaaac aaccagaatc ttctggaatt ctgacttaga gtcgttggtta tagaagacct 240
tgttgctatg gaacatgaaa ctgtgtgtca gatggagaga tccccctaac ctaagagcct 300
taaatagccc tgaaagtaca ctgggacggg ttgcatgga attaaaattg gaagtgatat 360
ttttaggtgc tcttgaaagc tttctgggga ctcaaaatta tcaaaagtca gggacagtcc 420
ggaggaagag cgtctgcaaa actgggttcc tagaagtata gancggactt agctg 475

<210> 934
<211> 322
<212> DNA
<213> Homo sapiens

<400> 934
ataaacaaca tctccagaca gatctacctg accgacaacc ctgaggcagt cgcgatcaag 60
ttgaatcaga ccgctctgca agcagtgact cccattacaa gtttttgaaa aaaacaagaa 120
agctcatgcc ccagccagaa cctgaaaaat tcagagatgg aaaatgaaaa tgacaagatt 180
gttcccaaag caacagccag tctacctgaa gcagaggagc tgatcgcgcc tggaacgccg 240
attcaattcg atattgtgct tctgctaca gaattccttg atcagaacag agggagcagg 300
cgtaccaacc cttttgggtga aa 322

<210> 935
<211> 378
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (121)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (122)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (124)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (301)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (326)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (327)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (356)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (365)
<223> n equals a,t,g, or c

<400> 935
ggcagaggag aaactgtgtg tgaggggaag aggcctgttt cgctgtcggg tctctagttc 60
ttgcacgctc tttaagagtc tgcactggag gaactctgcc attaccagct cccttcttgc 120
nnangccggt gggaaacata cattttattca tgccagtcctg ttgcatgcag gcttttttggc 180
ttcctacctt gcaacaaaat gaattgcacc aactccttag tgccgattcc gcccacagag 240
agtccctggag ccacagtctt ttttgctttg cattgtagga gagggactaa gtgctagaga 300
ntatgtcgtt ttccctgagc taaccnngag cgttcgtgga actgggatca aactgntttc 360
agggnaaaag gaaaaaaa 378

<210> 936

<211> 450
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (172)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (202)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (230)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (295)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (304)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (307)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (384)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (396)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (401)
<223> n equals a,t,g, or c

<220>
<221> misc feature

<222> (418)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (438)

<223> n equals a,t,g, or c

<400> 936

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ggtggtaagt ggcttcgtgg tctttatagc tgttactctt ttgtactttg tctttttctt 60
ttattttctt ttgagcgatt gtgcgaacat agcatagcac gcactatgcc ttctgtggtg 120
tagctgcctg gccagggcga ctggcggata aggtcttggtg cgtggcctcg angcttaaaa 180
gtaacagtgg ggctttgtga angacaaaat ggcgatggcg ggccgtgtan gtcccccttc 240
ctatgatgaa agaccttttc acagacctgt tactgaactc cgtgaagata aatantctga 300
aganatnggc cctgcaagcc tcttgcttac ccgtcctggt ccaaaaaaat acgttttcca 360
aaatgccctg aatttgaact aatntcttat tgggcncccg ntctgccaga ttaccenca 420
ctttggaaca aaaaaaanc ttttgtttgc 450
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<210> 937

<211> 209

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (15)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (16)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (24)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (55)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (62)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (175)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (187)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (191)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (198)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (200)

<223> n equals a,t,g, or c

<400> 937

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agtcttaaga ccaannaagc acgnaagcgc cgtgaagagc gcctccaggc caagnaggag 60
gngatcatca agactttatc caaggaggaa gagaccaaga aataaaacct cccactttgt 120
ctgtacatac tggcctctgt gattacatag atcagccatt gaaaataaaa caagncttaa 180
tctgcanata ngacaagnan aaaatttcg                                     209
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<210> 938

<211> 437

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (366)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (390)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (408)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (425)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (428)

<223> n equals a,t,g, or c

<400> 938

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cagaactgat agaacaaaca ctactctttt gaatttgatg gttcgtgtcc tttaaagtgt 60
ttgaggacct atgcagagcc tgtaacactt gggtagtacc tgctaggaca atttcttggc 120
aattgtctta ctactagggg tcagtaagat ttagattctg agcccataat ggcaacagcc 180
ccctcaccta tgggaagctg acttccctca gtcgggcact tctcatgggg gctgaacatg 240
gttcctgcca ttctgttacc cactctccca ggtgagccct ggattggctc ccagaaggcc 300
ttgtaaaaat ccatagccat cctgcaggca gtgggagcaa caggggcttt catagcttca 360
tttccngtct tgcagacaag gaccctgggn aacatgtgct gctaatanga taattactcc 420
gttgncncaa ttaccag 437
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<210> 939

<211> 450

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (2)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (19)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (109)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (110)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (362)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (395)

<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (423)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (440)
<223> n equals a,t,g, or c

<400> 939
cngacgcgtg ggtcgaccna cgcgtccgcc cagcgcgtccg cccacgcgtc cgacgacaga 60
aggggtacggc tgcgagaaga cgcagaaggg tacggctgcg agaagacgnn agaaggggct 120
tttcacattc gggaaacgtc gggattaggt gaaagtacgt agttgtcttt cgtaagtcaa 180
aatgataatt gggccgaaac ttactgcctt acctaaaagg cagcgcagtc aggatattgg 240
taggtcgggg gcggtcttgg aaacccttaa gtttacaagc atgcycggac ttgagtgtctc 300
attaggtcgc cgggcgtcca cgtgcagccc tggaccctga accccggcgt gcgttggccg 360
tnggcctcgg ggaaaagtcc cgtgcactcg gggantccgg tgaagctgtt cagccgtctg 420
tgncatgtgg ccatcttgan tctactctgt 450

<210> 940
<211> 233
<212> DNA
<213> Homo sapiens

<400> 940
ggagcgcctg tgggagccct ggaggggaact ttcccagtc cagaggcgga tcgggtgttg 60
catccatgga gcgagctgag agctcgagta cagaacctgc taaggccatc aaacctattg 120
atcagaagtc agtccatcag atttgctctg ggcaggtggt actgagtcta agcactgcgg 180
taaaggagtt agtagaaaac agtctggatg ctggtgccac taatattgat cta 233

<210> 941
<211> 238
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (202)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (217)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (228)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 941

His Glu Cys Ala Cys Leu Pro Gly Tyr Ala Gly Asp Gly His Gln Cys
1 5 10 15

Thr Asp Val Asp Glu Cys Ser Glu Asn Arg Cys His Pro Ala Ala Thr
20 25 30

Cys Tyr Asn Thr Pro Gly Ser Phe Ser Cys Arg Cys Gln Pro Gly Tyr
35 40 45

Tyr Gly Asp Gly Phe Gln Cys Ile Pro Asp Ser Thr Ser Ser Leu Thr
50 55 60

Pro Cys Glu Gln Gln Gln Arg His Ala Gln Ala Gln Tyr Ala Tyr Pro
65 70 75 80

Gly Ala Arg Phe His Ile Pro Gln Cys Asp Glu Gln Gly Asn Phe Leu
85 90 95

Pro Leu Gln Cys His Gly Ser Thr Gly Phe Cys Trp Cys Val Asp Pro
100 105 110

Asp Gly His Glu Val Pro Gly Thr Gln Thr Pro Pro Gly Ser Thr Pro
115 120 125

Pro His Cys Gly Pro Ser Pro Glu Pro Thr Gln Arg Pro Pro Thr Ile
130 135 140

Cys Glu Arg Trp Arg Glu Asn Leu Leu Glu His Tyr Gly Gly Thr Pro
145 150 155 160

Arg Asp Asp Gln Tyr Val Pro Gln Cys Asp Asp Leu Gly His Phe Ile
165 170 175

Pro Leu Gln Cys His Gly Lys Ser Asp Phe Cys Trp Cys Val Asp Lys
180 185 190

Asp Gly Arg Glu Val Gln Gly Thr Gly Xaa Pro Ala Arg His His Pro
195 200 205

Cys Val Tyr Thr His Arg Arg Ser Xaa His Gly Pro Ala His Ala Pro
210 215 220

Ala Arg Cys Xaa Pro Ser Ile Cys Gly Gln Leu Pro Gly Ala
225 230 235

<210> 942

<211> 341

<212> PRT

<213> Homo sapiens

<400> 942

Arg Thr Asn Leu Lys Glu Ala Ser Asp Ile Lys Leu Glu Pro Asn Thr
1 5 10 15

Leu Asn Gly Tyr Lys Ser Ser Val Thr Glu Pro Cys Pro Asp Ser Gly
20 25 30

Glu Gln Leu Gln Pro Ala Pro Val Leu Gln Glu Glu Glu Leu Ala His
35 40 45

Glu Thr Ala Gln Lys Gly Glu Ala Lys Cys His Lys Ser Asp Thr Gly
50 55 60

Met Ser Lys Lys Lys Ser Arg Gln Gly Lys Leu Val Lys Gln Phe Ala
65 70 75 80

Lys Ile Glu Glu Ser Thr Pro Val His Asp Ser Pro Gly Lys Asp Asp
85 90 95

Ala Val Pro Asp Leu Met Gly Pro His Ser Asp Gln Gly Glu His Ser
100 105 110

Gly Thr Val Gly Val Pro Val Ser Tyr Thr Asp Cys Ala Pro Ser Pro
115 120 125

Val Gly Cys Ser Val Val Thr Ser Asp Ser Phe Arg Thr Lys Asp Ser
130 135 140

Phe Arg Thr Ala Lys Ser Lys Lys Lys Arg Arg Ile Thr Arg Tyr Asp
145 150 155 160

Ala Gln Leu Ile Leu Glu Asn Asn Ser Gly Ile Pro Lys Leu Thr Leu
165 170 175

Arg Arg Arg His Asp Ser Ser Ser Lys Thr Asn Asp Gln Glu Asn Asp
180 185 190

Gly Met Asn Ser Ser Lys Ile Ser Ile Lys Leu Ser Lys Asp His Asp
195 200 205

Asn Asp Asn Asn Leu Tyr Val Ala Lys Leu Asn Asn Gly Phe Asn Ser
210 215 220

Gly Ser Gly Ser Ser Ser Thr Lys Leu Lys Ile Gln Leu Lys Arg Asp
225 230 235 240

Glu Glu Asn Arg Gly Ser Tyr Thr Glu Gly Leu His Glu Asn Gly Val
245 250 255

Cys Cys Ser Asp Pro Leu Ser Leu Leu Glu Ser Arg Met Glu Val Asp
260 265 270

Asp Tyr Ser Gln Tyr Glu Glu Glu Ser Thr Asp Asp Ser Ser Ser Ser
275 280 285

Glu Gly Asp Glu Glu Glu Asp Asp Tyr Asp Asp Asp Phe Glu Asp Asp
290 295 300

Phe Ile Pro Leu Pro Pro Ala Lys Arg Leu Arg Leu Ile Val Gly Lys
305 310 315 320

Asp Ser Ile Asp Ile Asp Ile Ser Ser Arg Arg Arg Glu Asp Gln Ser
325 330 335

Leu Arg Leu Asn Ala
340

<210> 943
<211> 196
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (1)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (9)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (187)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 943
Xaa Leu Leu Lys Val Trp Arg Ala Xaa Gln Val Ser Val Ala Tyr Asn
1 5 10 15

Ser Leu Asp Phe Glu Pro Glu Ile Phe Phe Ala Leu Gly Ser Pro Ile
20 25 30

Ala Met Phe Leu Thr Ile Arg Gly Val Asp Arg Ile Asp Glu Asn Tyr
35 40 45

Ser Leu Pro Thr Cys Lys Gly Phe Phe Asn Ile Tyr His Pro Leu Asp
 50 55 60
 Pro Val Ala Tyr Arg Leu Glu Pro Met Ile Val Pro Asp Leu Asp Leu
 65 70 75 80
 Lys Ala Val Leu Ile Pro His His Lys Gly Arg Lys Arg Leu His Leu
 85 90 95
 Glu Leu Lys Glu Ser Leu Ser Arg Met Gly Ser Asp Leu Lys Gln Gly
 100 105 110
 Phe Ile Ser Ser Leu Lys Ser Ala Trp Gln Thr Leu Asn Glu Phe Ala
 115 120 125
 Arg Ala His Thr Ser Ser Thr Gln Leu Gln Glu Glu Leu Glu Lys Val
 130 135 140
 Ala Asn Gln Ile Lys Glu Glu Glu Glu Lys Gln Val Val Glu Ala Glu
 145 150 155 160
 Lys Val Val Glu Ser Pro Asp Phe Ser Lys Asp Glu Asp Tyr Leu Gly
 165 170 175
 Lys Val Gly Lys Val Lys Trp Arg Pro Pro Xaa Leu Thr Thr Phe Ser
 180 185 190
 Lys Lys Asn Gln
 195

<210> 944

<211> 97

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (41)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 944

Pro His Gly Leu Arg Cys Pro Ser Cys Pro Gln Thr Ala Val Ser Arg
 1 5 10 15
 Arg Gln Ala Arg Arg Met Val Thr Glu Thr Ser Arg Arg Arg Ile
 20 25 30
 Gln Glu Leu Glu Glu Arg Arg Arg Xaa Phe Val Glu Ala Cys Arg Ala
 35 40 45

Arg Glu Ala Ala Phe Asp Ala Glu Tyr Gln Arg Asn Pro His Arg Val
50 55 60
Asp Leu Asp Ile Leu Thr Phe Thr Ile Ala Leu Thr Ala Ser Glu Val
65 70 75 80
Ile Asn Pro Leu Ile Glu Glu Leu Gly Cys Asp Lys Phe Ile Asn Arg
85 90 95

Glu

<210> 945
<211> 123
<212> PRT
<213> Homo sapiens

<400> 945
Ser Gly Ser Pro Gly Leu Gln Glu Phe Arg Ala Pro Gly Val Gln Gln
1 5 10 15
Asp Glu Arg Leu Ala Ser Pro Ile His Ser Thr Tyr Ile Pro Ile Pro
20 25 30
Thr Ser Ala Ile Cys Ala Thr Gly Ser Asn Gly Ser Ala Pro Thr Arg
35 40 45
Ile Ser Val Gln Cys Leu Ser Pro Ala Thr Thr Gly Ser Ala Ser Val
50 55 60
Asp Leu Cys Cys Thr Arg Asp Ile Ser Leu Leu Pro Gly Glu Pro Pro
65 70 75 80
Ile Ala Val Pro Thr Gly Val Phe Gly Pro Leu Pro Thr Gly Ser Val
85 90 95
Gly Leu Leu Phe Asp Leu Ser Ser Leu Asn Leu Lys Gly Val Gln Val
100 105 110
His Thr Gly Val Ile Asp Ser Asp Ile Gln Val
115 120

<210> 946
<211> 45
<212> PRT
<213> Homo sapiens

<400> 946

Gly Phe Leu Gly Leu Leu Phe Met Pro Gln Ala Thr Tyr Pro Gly Glu
1 5 10 15
Ser Leu Pro Val Leu Leu His Glu Phe Leu Ser His Arg Met His Val
20 25 30
Pro Leu His Phe Val Thr Ser Val Ser Pro Thr Arg Gln
35 40 45

<210> 947

<211> 160

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (27)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (29)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (56)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (110)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (132)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (133)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (147)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (156)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 947

Gly Pro Arg Arg Gly Pro Gly Pro Gly Gly Cys Ala Ala Pro Ala Thr
1 5 10 15

Glu Glu Gln Glu Ala Ala Ser Ser Ser Ser Xaa Leu Xaa Glu Val Thr
20 25 30

Leu Gly Glu Val Pro Ala Ala Glu Ser Pro Asp Pro Pro Gln Ser Pro
35 40 45

Gln Gly Ala Ser Ser Leu Pro Xaa Thr Met Asn Tyr Pro Leu Trp Ser
50 55 60

Gln Ser Tyr Glu Asp Ser Ser Asn Gln Glu Glu Glu Gly Pro Ser Thr
65 70 75 80

Phe Pro Asp Leu Glu Ser Glu Phe Gln Ala Ala Leu Ser Arg Lys Val
85 90 95

Ala Lys Leu Val His Phe Leu Leu Leu Lys Tyr Arg Ala Xaa Glu Pro
100 105 110

Val Thr Lys Ala Glu Met Leu Gly Ser Val Val Gly Lys Leu Ala Ser
115 120 125

Thr Ser Phe Xaa Xaa Ile Phe Lys Gln Lys Leu Ser Asp Phe Leu Cys
130 135 140

Asn Leu Xaa Phe Trp His Ser Lys Leu Glu Trp Xaa Val Gly Pro Pro
145 150 155 160

<210> 948

<211> 53

<212> PRT

<213> Homo sapiens

<400> 948

Ser Asn Trp Ile Ile Asp Cys Asn Cys Leu Glu Ile Tyr His Lys Asn
1 5 10 15

Arg Leu Cys Phe Phe Gly Ile Ala Pro Asn Phe Ser Leu Leu Leu Arg
20 25 30

Ala Ala His Ala Val Leu Ser Ser Tyr Trp Ser Gln Pro Leu Gly Glu
35 40 45

Glu Arg Asn Ala Trp
50

<210> 949

<211> 154

<212> PRT

<213> Homo sapiens

<400> 949

Trp Asp Tyr Ile Leu Cys Ala Gly Leu Arg Glu His Glu Glu Gly Ala
1 5 10 15

Ile Cys His Thr Leu Glu Ala Glu Ala Cys Thr Ser Ala Ala Arg Leu
20 25 30

Thr Val Val Gly Gly Gly Asp Gly Asn Cys Arg Ser Ala Arg Val Val
35 40 45

Glu Lys Leu Leu Gln Gly Phe Ser Gly Phe Ala Cys Pro Ala Ala Pro
50 55 60

Cys Leu Ala Arg Gly Glu Gly Gly Ala Thr Cys Gly Thr Leu Glu Ala
65 70 75 80

Gly Ala Cys Arg Trp His Gly Ser Ala Ala His Leu Ala Ala Val Gly
85 90 95

Gly Gly Asp Arg Asp Cys Ser Leu Thr Val Val Asn Leu Glu Ile Ile
100 105 110

Cys Leu Glu Ala Leu Ser Leu Ser Trp Asp Leu Lys Arg Arg Gly Ser
115 120 125

Pro Asn Ser Gln Gln Ser Asn Ser Lys Trp Cys Cys Lys Leu Asn His
130 135 140

Thr Trp Thr Gly His Ser Ser Glu Asp Pro
145 150

<210> 950

<211> 442

<212> PRT

<213> Homo sapiens

<400> 950

Ala Arg Gly Thr Glu Thr Cys Gly Leu Ile Gln Val Thr Leu Leu Asp
1 5 10 15

Thr Val Glu Leu Ala Thr Tyr Thr Val Arg Thr Phe Ala Leu His Lys
20 25 30

Ser Gly Ser Ser Glu Lys Arg Glu Leu Arg Gln Phe Gln Phe Met Ala
35 40 45

Trp Pro Asp His Gly Val Pro Glu Tyr Pro Thr Pro Ile Leu Ala Phe
50 55 60

Leu Arg Arg Val Lys Ala Cys Asn Pro Leu Asp Ala Gly Pro Met Val
65 70 75 80

Val His Cys Ser Ala Gly Val Gly Arg Thr Gly Cys Phe Ile Val Ile
85 90 95

Asp Ala Met Leu Glu Arg Met Lys His Glu Lys Thr Val Asp Ile Tyr
100 105 110

Gly His Val Thr Cys Met Arg Ser Gln Arg Asn Tyr Met Val Gln Thr
115 120 125

Glu Asp Gln Tyr Val Phe Ile His Glu Ala Leu Leu Glu Ala Ala Thr
130 135 140

Cys Gly His Thr Glu Val Pro Ala Arg Asn Leu Tyr Ala His Ile Gln
145 150 155 160

Lys Leu Gly Gln Val Pro Pro Gly Glu Ser Val Thr Ala Met Glu Leu
165 170 175

Glu Phe Lys Leu Leu Ala Ser Ser Lys Ala His Thr Ser Arg Phe Ile
180 185 190

Ser Ala Asn Leu Pro Cys Asn Lys Phe Lys Asn Arg Leu Val Asn Ile
195 200 205

Met Pro Tyr Glu Leu Thr Arg Val Cys Leu Gln Pro Ile Arg Gly Val
210 215 220

Glu Gly Ser Asp Tyr Ile Asn Ala Ser Phe Leu Asp Gly Tyr Arg Gln
225 230 235 240

Gln Lys Ala Tyr Ile Ala Thr Gln Gly Pro Leu Ala Glu Ser Thr Glu

	245		250		255
Asp Phe Trp Arg Met Leu Trp Glu His Asn Ser Thr Ile Ile Val Met					
	260		265		270
Leu Thr Lys Leu Arg Glu Met Gly Arg Glu Lys Cys His Gln Tyr Trp					
	275		280		285
Pro Ala Glu Arg Ser Ala Arg Tyr Gln Tyr Phe Val Val Asp Pro Met					
	290		295		300
Ala Glu Tyr Asn Met Pro Gln Tyr Ile Leu Arg Glu Phe Lys Val Thr					
305		310		315	320
Asp Ala Arg Asp Gly Gln Ser Arg Thr Ile Arg Gln Phe Gln Phe Thr					
	325		330		335
Asp Trp Pro Glu Gln Gly Val Pro Lys Thr Gly Glu Gly Phe Ile Asp					
	340		345		350
Phe Ile Gly Gln Val His Lys Thr Lys Glu Gln Phe Gly Gln Asp Gly					
	355		360		365
Pro Ile Thr Val His Cys Ser Ala Gly Val Gly Arg Thr Gly Val Phe					
	370		375		380
Ile Thr Leu Ser Ile Val Leu Glu Arg Met Arg Tyr Glu Gly Val Val					
385		390		395	400
Asp Met Phe Gln Thr Val Lys Thr Leu Arg Thr Gln Arg Pro Ala Met					
	405		410		415
Val Gln Thr Glu Asp Gln Tyr Gln Leu Cys Tyr Arg Ala Ala Leu Glu					
	420		425		430
Tyr Leu Gly Ser Phe Asp His Tyr Ala Thr					
	435		440		

<210> 951

<211> 82

<212> PRT

<213> Homo sapiens

<400> 951

Asn Ser Lys Val Gly Ile Ser Arg Asn Cys Val Gln Met His Pro Val
1 5 10 15

Val Ala Leu Gln Glu Val Cys Leu Met Lys Leu Gly Lys His Phe Ala
20 25 30

Ile Phe Pro Leu Ala Val Phe Leu Cys Ser Leu Leu Pro Leu Phe Phe
35 40 45
Pro Trp Phe Val Ile Ile Arg Arg Glu Val Leu Gln Arg Leu Val Ala
50 55 60
Val Lys Glu Ser Phe Phe Asn Phe Tyr Pro Arg Val Ser His Phe Tyr
65 70 75 80
Ser Arg

<210> 952
<211> 475
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (465)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (468)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (469)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 952
Leu Val Leu Pro Leu His Ala Val Glu Lys Thr Gly Arg Pro Gly Gln
1 5 10 15
Pro Ala Leu Lys Met Pro Gly Lys Leu Arg Ser Asp Ala Gly Leu Glu
20 25 30
Ser Asp Thr Ala Met Lys Lys Gly Glu Thr Leu Arg Lys Gln Thr Glu
35 40 45
Glu Lys Glu Lys Lys Glu Lys Pro Lys Ser Asp Lys Thr Glu Glu Ile
50 55 60
Ala Glu Glu Glu Glu Thr Val Phe Pro Lys Ala Lys Gln Val Lys Lys
65 70 75 80

Lys Ala Glu Pro Ser Glu Val Asp Met Asn Ser Pro Lys Ser Lys Lys
85 90 95

Ala Lys Lys Lys Glu Glu Pro Ser Gln Asn Asp Ile Ser Pro Lys Thr
100 105 110

Lys Ser Leu Arg Lys Lys Lys Glu Pro Ile Glu Lys Lys Val Val Ser
115 120 125

Ser Lys Thr Lys Lys Val Thr Lys Asn Glu Glu Pro Ser Glu Glu Glu
130 135 140

Ile Asp Ala Pro Lys Pro Lys Lys Met Lys Lys Glu Lys Glu Met Asn
145 150 155 160

Gly Glu Thr Arg Glu Lys Ser Pro Lys Leu Lys Asn Gly Phe Pro His
165 170 175

Pro Glu Pro Asp Cys Asn Pro Ser Glu Ala Ala Ser Glu Glu Ser Asn
180 185 190

Ser Glu Ile Glu Gln Glu Ile Pro Val Glu Gln Lys Glu Gly Ala Phe
195 200 205

Ser Asn Phe Pro Ile Ser Glu Glu Thr Ile Lys Leu Leu Lys Gly Arg
210 215 220

Gly Val Thr Phe Leu Phe Pro Ile Gln Ala Lys Thr Phe His His Val
225 230 235 240

Tyr Ser Gly Lys Asp Leu Ile Ala Gln Ala Arg Thr Gly Thr Gly Lys
245 250 255

Thr Phe Ser Phe Ala Ile Pro Leu Ile Glu Lys Leu His Gly Glu Leu
260 265 270

Gln Asp Arg Lys Arg Gly Arg Ala Pro Gln Val Leu Val Leu Ala Pro
275 280 285

Thr Arg Glu Leu Ala Asn Gln Val Ser Lys Asp Phe Ser Asp Ile Thr
290 295 300

Lys Lys Leu Ser Val Ala Cys Phe Tyr Gly Gly Thr Pro Tyr Gly Gly
305 310 315 320

Gln Phe Glu Arg Met Arg Asn Gly Ile Asp Ile Leu Val Gly Thr Pro
325 330 335

Gly Arg Ile Lys Asp His Ile Gln Asn Gly Lys Leu Asp Leu Thr Lys
340 345 350

Leu Lys His Val Val Leu Asp Glu Val Asp Gln Met Leu Asp Met Gly
 355 360 365
 Phe Ala Asp Gln Val Glu Glu Ile Leu Ser Val Ala Tyr Lys Lys Asp
 370 375 380
 Ser Glu Asp Asn Pro Gln Thr Leu Leu Phe Ser Ala Thr Cys Pro His
 385 390 395 400
 Trp Val Phe Asn Val Ala Lys Lys Tyr Met Lys Ser Thr Tyr Glu Gln
 405 410 415
 Val Asp Leu Ile Gly Lys Lys Thr Gln Lys Thr Ala Ile Thr Val Glu
 420 425 430
 His Leu Ala Ile Lys Cys His Trp Thr Gln Arg Ala Ala Val Ile Gly
 435 440 445
 Asp Val Ile Arg Val Tyr Ser Gly His Gln Gly Arg Thr Ile Ile Phe
 450 455 460
 Xaa Glu Thr Xaa Xaa Glu Ala Gln Glu Leu Ser
 465 470 475

<210> 953

<211> 259

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (115)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 953

His Glu Ala Lys Trp Ala Arg Glu Glu Glu Glu Ala Gln Arg Arg Leu
 1 5 10 15
 Glu Glu Asn Arg Leu Arg Met Glu Glu Glu Ala Ala Arg Leu Arg His
 20 25 30
 Glu Glu Glu Glu Arg Lys Arg Lys Ala Leu Glu Val Gln Arg Gln Lys
 35 40 45
 Glu Leu Met Arg Gln Arg Gln Gln Gln Gln Glu Ala Leu Arg Arg Leu
 50 55 60
 Gln Gln Gln Gln Gln Gln Gln Gln Leu Ala Gln Met Lys Leu Pro Ser
 65 70 75 80

Ser Ser Thr Trp Gly Gln Gln Ser Asn Thr Thr Ala Cys Gln Ser Gln
85 90 95

Ala Thr Leu Ser Leu Ala Glu Ile Gln Lys Leu Glu Glu Glu Arg Glu
100 105 110

Arg Gln Xaa Arg Glu Glu Gln Arg Arg Gln Gln Arg Glu Leu Met Lys
115 120 125

Ala Leu Gln Gln Gln Gln Gln Gln Gln Gln Gln Lys Leu Ser Gly Trp
130 135 140

Gly Asn Val Ser Lys Pro Ser Gly Thr Thr Lys Ser Leu Leu Glu Ile
145 150 155 160

Gln Gln Glu Glu Ala Arg Gln Met Gln Lys Gln Gln Gln Gln Gln Gln
165 170 175

Gln His Gln Gln Pro Asn Arg Ala Arg Asn Asn Thr His Ser Asn Leu
180 185 190

His Thr Ser Ile Gly Asn Ser Val Trp Gly Ser Ile Asn Thr Gly Pro
195 200 205

Pro Asn Gln Trp Ala Ser Asp Leu Val Ser Ser Ile Trp Ser Asn Ala
210 215 220

Asp Thr Lys Asn Ser Asn Met Gly Phe Trp Asp Asp Ala Val Lys Glu
225 230 235 240

Val Gly Pro Arg Asn Ser Thr Asn Lys Asn Lys Asn Asn Ala Ile Ser
245 250 255

Val Asn Leu

<210> 954

<211> 144

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (12)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (17)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (32)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (107)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (114)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (130)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (144)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 954

Ile	Val	Tyr	Val	Pro	Ser	His	Leu	His	His	Met	Xaa	Phe	Glu	Leu	Phe
1				5					10					15	

Xaa	Asn	Ala	Met	Arg	Ala	Thr	Val	Glu	His	Gln	Glu	Asn	Gln	Pro	Xaa
		20						25					30		

Leu	Thr	Pro	Ile	Glu	Val	Ile	Val	Ala	Leu	Gly	Lys	Glu	Asp	Leu	Thr
	35						40					45			

Ile	Lys	Ile	Ser	Asp	Arg	Gly	Gly	Gly	Val	Pro	Leu	Arg	Ile	Ile	Asp
	50					55					60				

Arg	Leu	Phe	Ser	Tyr	Thr	Tyr	Ser	Thr	Ala	Pro	Thr	Pro	Val	Met	Asp
65					70				75					80	

Asn	Ser	Arg	Asn	Ala	Pro	Leu	Ala	Gly	Phe	Gly	Tyr	Gly	Leu	Pro	Ile
			85						90					95	

Ser	Arg	Leu	Tyr	Ala	Lys	Tyr	Phe	Gln	Gly	Xaa	Leu	Asn	Leu	Tyr	Ser
		100						105					110		

Leu	Xaa	Gly	Tyr	Gly	Thr	Asp	Ala	Ile	Ile	Tyr	Leu	Lys	Ala	Leu	Val
-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----

115		120		125
Thr Xaa Cys Gln Phe Leu Val Cys Met Gln Ser Thr Phe Lys Glu Xaa				
130		135		140

<210> 955
 <211> 243
 <212> PRT
 <213> Homo sapiens

<400> 955

Thr Arg Pro Arg Thr Arg Gly Leu Trp Arg Pro Gly Trp Arg Cys Val			
1	5	10	15
Pro Phe Cys Gly Trp Arg Trp Ile His Pro Gly Ser Pro Thr Arg Ala			
20	25	30	
Ala Glu Arg Val Glu Pro Phe Leu Arg Pro Glu Trp Ser Gly Thr Gly			
35	40	45	
Gly Ala Glu Arg Gly Leu Arg Trp Leu Gly Thr Trp Lys Arg Cys Ser			
50	55	60	
Leu Arg Ala Arg His Pro Ala Leu Gln Pro Pro Arg Arg Pro Lys Ser			
65	70	75	80
Ser Asn Pro Phe Thr Arg Ala Gln Glu Glu Glu Arg Arg Arg Gln Asn			
85	90	95	
Lys Thr Thr Leu Thr Tyr Val Ala Ala Val Ala Val Gly Met Leu Gly			
100	105	110	
Ala Ser Tyr Ala Ala Val Pro Leu Tyr Arg Leu Tyr Cys Gln Thr Thr			
115	120	125	
Gly Leu Gly Gly Ser Ala Val Ala Gly His Ala Ser Asp Lys Ile Glu			
130	135	140	
Asn Met Val Pro Val Lys Asp Arg Ile Ile Lys Ile Ser Phe Asn Ala			
145	150	155	160
Asp Val His Ala Ser Leu Gln Trp Asn Phe Arg Pro Gln Gln Thr Glu			
165	170	175	
Ile Tyr Val Val Pro Gly Glu Thr Ala Leu Ala Phe Tyr Arg Ala Lys			
180	185	190	

Asn Pro Thr Asp Lys Pro Val Ile Gly Ile Ser Thr Tyr Asn Ile Val
195 200 205

Pro Phe Glu Ala Gly Gln Tyr Phe Asn Lys Ile Gln Cys Phe Cys Phe
210 215 220

Glu Glu Gln Arg Leu Asn Pro Gln Glu Glu Val Gly Tyr Ala Ser Val
225 230 235 240

Phe Leu His

<210> 956
<211> 184
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (10)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (12)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (16)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 956
Gly Leu Val Val Thr Leu Leu Thr His Xaa Phe Xaa Ile Asn Ser Xaa
1 5 10 15

Asn Phe Cys Thr Ser Ala Lys Asp Ala Phe Val Ile Leu Val Glu Asn
20 25 30

Ala Leu Arg Val Ala Thr Ile Asn Thr Val Gly Asp Phe Met Leu Phe
35 40 45

Leu Gly Lys Val Leu Ile Val Cys Ser Thr Gly Leu Ala Gly Ile Met
50 55 60

Leu Leu Asn Tyr Gln Gln Asp Tyr Thr Val Trp Val Leu Pro Leu Ile
65 70 75 80

Ile Val Cys Leu Phe Ala Phe Leu Val Ala His Cys Phe Leu Ser Ile
85 90 95

Tyr Glu Met Val Val Asp Val Leu Phe Leu Cys Phe Ala Ile Asp Thr
100 105 110

Lys Tyr Asn Asp Gly Ser Pro Gly Arg Glu Phe Tyr Met Asp Lys Val
115 120 125

Leu Met Glu Phe Val Glu Asn Ser Arg Lys Ala Met Lys Glu Ala Gly
130 135 140

Lys Gly Gly Val Ala Asp Ser Arg Glu Leu Asn Arg Cys Phe Gly Ser
145 150 155 160

Lys Phe Cys Leu Asn Leu Ala Asp Gly Tyr Gly Asn Pro Leu Thr Phe
165 170 175

Gln Asn Asn Ile Tyr Thr His Thr
180

<210> 957

<211> 124

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (119)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 957

Ser Arg Ser Pro Val Leu Asp Pro Ser Glu Pro Gln Pro Leu Ala Ala
1 5 10 15

Met His Val Ile Lys Arg Asp Gly Arg Gln Glu Arg Val Met Phe Asp
20 25 30

Lys Ile Thr Ser Arg Ile Gln Lys Leu Cys Tyr Gly Leu Asn Met Asp
35 40 45

Phe Val Asp Pro Ala Gln Ile Thr Met Lys Val Ile Gln Gly Leu Tyr
50 55 60

Ser Gly Val Thr Thr Val Glu Leu Asp Thr Leu Ala Ala Glu Thr Ala
65 70 75 80

Ala Thr Leu Thr Thr Lys His Pro Asp Tyr Ala Ile Leu Ala Ala Arg
85 90 95

Ile Ala Val Ser Asn Leu His Lys Glu Thr Lys Lys Val Phe Ser Asp
100 105 110

Val Met Glu Asp Leu Tyr Xaa Leu His Lys Ser Thr
115 120

<210> 958

<211> 117

<212> PRT

<213> Homo sapiens

<400> 958

Ser Ile Met Phe Val Ala Leu Met Lys Tyr Phe Gln Glu Met Cys Pro
1 5 10 15

Gly Val Ala Leu Ala Met Leu Thr Arg Pro Leu Val Thr Gln Arg Ala
20 25 30

Leu Gly Pro Asp Gly Asp Leu Pro Leu Arg Phe Leu Tyr Gln Ala Leu
35 40 45

Ser Ser His Gly Ala Ser Gly Thr Ser Leu Leu Ser Trp Glu Lys Gly
50 55 60

Asn Trp Leu Pro Arg Gln Val Val Glu Ser Val Ala Gly Thr Arg Leu
65 70 75 80

Glu Ala His Leu Val Val Asn Arg Ala Gln Trp Gly Arg Leu Gly Met
85 90 95

Leu Trp Ser Met Gly Leu Phe Pro Gly Glu Cys Ser Gly Met Ser Ser
100 105 110

Gln Leu Leu Trp Cys
115

<210> 959

<211> 267

<212> PRT

<213> Homo sapiens

<400> 959

Ser Met Pro Gly Trp Arg Leu Leu Thr Gln Val Gly Ala Gln Val Leu
1 5 10 15

Gly Arg Leu Gly Asp Gly Leu Gly Ala Ala Leu Gly Pro Gly Asn Arg

20					25					30						
Thr	His	Ile	Trp	Leu	Phe	Val	Arg	Gly	Leu	His	Gly	Lys	Ser	Gly	Thr	
35					40					45						
Trp	Trp	Asp	Glu	His	Leu	Ser	Glu	Glu	Asn	Val	Pro	Phe	Ile	Lys	Gln	
50					55					60						
Leu	Val	Ser	Asp	Glu	Asp	Lys	Ala	Gln	Leu	Ala	Ser	Lys	Leu	Cys	Pro	
65					70					75					80	
Leu	Lys	Asp	Glu	Pro	Trp	Pro	Ile	His	Pro	Trp	Glu	Pro	Gly	Ser	Phe	
85					90					95						
Arg	Val	Gly	Leu	Ile	Ala	Leu	Lys	Leu	Gly	Met	Met	Pro	Leu	Trp	Thr	
100					105					110						
Lys	Asp	Gly	Gln	Lys	His	Val	Val	Thr	Leu	Leu	Gln	Val	Gln	Asp	Cys	
115					120					125						
His	Val	Leu	Lys	Tyr	Thr	Ser	Lys	Glu	Asn	Cys	Asn	Gly	Lys	Met	Ala	
130					135					140						
Thr	Leu	Ser	Val	Gly	Gly	Lys	Thr	Val	Ser	Arg	Phe	Arg	Lys	Ala	Thr	
145					150					155					160	
Ser	Ile	Leu	Glu	Phe	Tyr	Arg	Glu	Leu	Gly	Leu	Pro	Pro	Lys	Gln	Thr	
165					170					175						
Val	Lys	Ile	Phe	Asn	Ile	Thr	Asp	Asn	Ala	Ala	Ile	Lys	Pro	Gly	Thr	
180					185					190						
Pro	Leu	Tyr	Ala	Ala	His	Phe	Arg	Pro	Gly	Gln	Tyr	Val	Asp	Val	Thr	
195					200					205						
Ala	Lys	Thr	Ile	Gly	Lys	Gly	Phe	Gln	Gly	Val	Met	Lys	Arg	Trp	Gly	
210					215					220						
Phe	Lys	Gly	Gln	Pro	Ala	Thr	His	Gly	Gln	Thr	Lys	Thr	His	Arg	Arg	
225					230					235					240	
Pro	Gly	Ala	Val	Ala	Thr	Gly	Asp	Ile	Gly	Arg	Val	Trp	Pro	Gly	Thr	
245					250					255						
Lys	Met	Pro	Gly	Lys	Met	Gly	Lys	Cys	Gly	Glu						
260					265											

<210> 960

<211> 165

<212> PRT

<213> Homo sapiens

<400> 960

Pro Arg Val Arg Ala Arg Trp Arg Arg Gly His Phe Phe His Cys Pro
1 5 10 15

Ser Glu Gly Thr Leu Ser Ser Val Ser Gly Ala Val Phe Gln Leu Arg
20 25 30

Val Val Pro Arg Glu Ser Glu Arg Pro Ser Pro Gly Trp Cys Asp Gly
35 40 45

Arg Gly Gly Gly Gln Ala Gly Arg Ala Ala Val His Gln Arg Gly Gly
50 55 60

Arg Ala Gly Gln Arg Arg Arg Pro Gly Leu Leu Pro Asp Leu Gly Val
65 70 75 80

Ser Ala Val Gly Gly His Gly Arg His Pro Arg Pro His Arg Pro Leu
85 90 95

Arg Leu His Leu Leu Pro Ala Arg Leu Arg Pro Ala Leu Pro Ala Pro
100 105 110

His Ser Gln Gly Gly Lys Glu Val Glu Gln Ile Phe Gln Ile Thr Glu
115 120 125

Thr Ser Leu Tyr Arg Arg Pro His Arg Gly Pro Leu His Leu Arg Pro
130 135 140

Val Leu Asp Val Pro Leu Arg His Gly Ala Arg Leu Leu Lys Trp Gly
145 150 155 160

Pro Gly Gly Leu Phe
165

<210> 961

<211> 93

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (12)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 961

Thr Ala Thr Thr Glu Val Glu Val Leu Asp Met Xaa Val Leu Pro Leu

1 5 10 15
Val Tyr Ile Leu Met Asn Ile Asp Val Asn Lys Lys Gly Lys Lys Gln
20 25 30
Asn Thr Arg Phe Phe Pro Ile Leu Met Leu Ala Pro Ser Lys Ser Leu
35 40 45
Pro Thr Arg Met Asn Thr Phe Pro Lys Leu Asn Lys Phe Leu Phe Ile
50 55 60
Lys Leu Arg Leu Lys Phe Val Gly Leu Gly Ser Phe Leu Lys Pro Arg
65 70 75 80
Ala Cys Pro Leu Pro Thr Pro Pro Ser Phe Ala Pro Lys
85 90

<210> 962

<211> 173

<212> PRT

<213> Homo sapiens

<400> 962

Glu Pro Lys Ala Lys Pro His Arg Ser Arg Gly Ser Gly Thr Arg Ala
1 5 10 15
Val Arg Arg Arg Ser Cys Leu Gln Ser Ala Ala Glu Ala Ala His Gly
20 25 30
Pro Asp Thr Pro Ala Ala Arg Ala Leu Gln Ser Leu Gly His Pro Val
35 40 45
Val Gly Asp Leu Thr Tyr Gly Glu Val Ser Gly Arg Glu Asp Arg Pro
50 55 60
Phe Arg Met Met Leu His Ala Phe Tyr Leu Arg Ile Pro Thr Asp Thr
65 70 75 80
Glu Cys Val Glu Val Cys Thr Pro Asp Pro Phe Leu Pro Ser Leu Asp
85 90 95
Ala Cys Trp Ser Pro His Thr Leu Leu Gln Ser Leu Asp Gln Leu Val
100 105 110
Gln Ala Leu Arg Ala Thr Pro Asp Pro Asp Pro Glu Asp Arg Gly Pro
115 120 125
Arg Pro Gly Ser Pro Ser Ala Leu Leu Pro Gly Pro Gly Arg Pro Pro
130 135 140

Pro Pro Pro Thr Lys Pro Pro Glu Thr Glu Ala Gln Arg Gly Pro Cys
145 150 155 160

Leu Gln Trp Leu Ser Glu Trp Thr Leu Glu Pro Asp Ser
165 170

<210> 963
<211> 80
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (47)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (48)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (77)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 963
Ser Ser Arg Gly Glu Pro Arg Ala Ala Leu Leu Cys Lys Arg Ser Asp
1 5 10 15

Val Leu Leu Glu Pro Phe Arg Arg Gly Val Met Glu Lys Leu Gln Leu
20 25 30

Gly Pro Glu Ile Leu Gln Arg Glu Asn Pro Arg Leu Ile Tyr Xaa Xaa
35 40 45

Leu Ser Gly Phe Gly Gln Ser Gly Lys Leu Leu Pro Val Ser Trp Pro
50 55 60

Arg Tyr Gln Leu Phe Gly Phe Cys Ser Gly Gly Arg Xaa Gln His Ile
65 70 75 80

<210> 964

<211> 89

<212> PRT

<213> Homo sapiens

<400> 964

Ala Glu Ala Leu Gly Ser Pro Cys Phe Pro Gln Asp Leu Leu Leu Ala
1 5 10 15

Asn Arg Ser Ser Arg Gln Leu Leu Gln Cys Val Ser His Pro Ala Asn
20 25 30

Arg Ser Val Cys Ile Ser Val Lys Glu Asn Ser Leu Val Pro Pro Gly
35 40 45

Ser Ala Trp Lys Leu Asp Ala Asn Phe Tyr Ile Ala Trp Gln Thr Asp
50 55 60

Gln Gln Cys Gln Ala Leu Ile Cys Ile Leu His Tyr Pro Phe Thr Trp
65 70 75 80

Phe Leu Ala Leu Asn Gly Leu Gln Pro
85

<210> 965

<211> 323

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (218)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 965

Gly Arg Ala Ser Glu Arg Ala Ser Arg Gln Gln Ala Ala Gly Gly Arg
1 5 10 15

Ala Asp Gly Thr Glu Gly Gly Ser Glu Arg Ala Val Ser Lys Pro Ala
20 25 30

Arg Ala Val Gly Ser Arg Gly Gln Pro Arg Phe Leu Arg Ser Leu Arg
35 40 45

Pro Pro Pro Trp Ser Pro Gln Arg Leu Arg Cys Pro Glu Asp Arg Thr
50 55 60

Arg Pro Gly Pro Ala Met Ala Ser Leu Leu Lys Val Asp Gln Glu Val
65 70 75 80

Lys Leu Lys Val Asp Ser Phe Arg Glu Arg Ile Thr Ser Glu Ala Glu
85 90 95

Asp Leu Val Ala Asn Phe Phe Pro Lys Lys Leu Leu Glu Leu Asp Ser
100 105 110

Phe Leu Lys Glu Pro Ile Leu Asn Ile His Asp Leu Thr Gln Ile His
115 120 125

Ser Asp Met Asn Leu Pro Val Pro Asp Pro Ile Leu Leu Thr Asn Ser
130 135 140

His Asp Gly Leu Asp Gly Pro Thr Tyr Lys Lys Arg Arg Leu Asp Glu
145 150 155 160

Cys Glu Glu Ala Phe Gln Gly Thr Lys Val Phe Val Met Pro Asn Gly
165 170 175

Met Leu Lys Ser Asn Gln Gln Leu Val Asp Ile Ile Glu Lys Val Lys
180 185 190

Pro Glu Ile Arg Leu Leu Ile Glu Lys Cys Asn Thr Val Lys Met Trp
195 200 205

Val Gln Leu Leu Ile Pro Arg Ile Glu Xaa Gly Asn Asn Phe Gly Val
210 215 220

Ser Ile Gln Glu Glu Thr Val Ala Glu Leu Arg Thr Val Glu Ser Glu
225 230 235 240

Ala Ala Ser Tyr Leu Asp Gln Ile Ser Arg Tyr Tyr Ile Thr Arg Ala
245 250 255

Lys Leu Val Ser Lys Ile Ala Lys Tyr Pro His Val Glu Asp Tyr Arg
260 265 270

Arg Thr Val Thr Glu Ile Asp Glu Lys Glu Tyr Ile Ser Leu Arg Leu
275 280 285

Ile Ile Ser Glu Leu Arg Asn Gln Tyr Val Thr Leu His Asp Met Ile
290 295 300

Leu Lys Asn Ile Glu Lys Ile Lys Arg Pro Arg Ser Ser Asn Ala Glu
305 310 315 320

Thr Leu Tyr

<210> 966

<211> 314
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (39)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (300)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 966

Val Ser Pro Gln Lys Ala Ala Ser Leu Val Arg Ile Arg Trp Arg His
 1 5 10 15

Val Arg Pro Ser Pro Pro Ser Ala Ser Arg Leu Arg Arg Leu Pro Pro
 20 25 30

Arg His Leu Thr Val Ala Xaa Arg Pro Arg Arg Glu Gly Val Gly Thr
 35 40 45

Gly Ser Arg Ala Val Leu Cys Ile Leu Ala Thr Cys Gly Ser Lys Met
 50 55 60

Ser Asp Ile Gly Asp Trp Phe Arg Ser Ile Pro Ala Ile Thr Arg Tyr
 65 70 75 80

Trp Phe Ala Ala Thr Val Ala Val Pro Leu Val Gly Lys Leu Gly Leu
 85 90 95

Ile Ser Pro Ala Tyr Leu Phe Leu Trp Pro Glu Ala Phe Leu Tyr Arg
 100 105 110

Phe Gln Ile Trp Arg Pro Ile Thr Ala Thr Phe Tyr Phe Pro Val Gly
 115 120 125

Pro Gly Thr Gly Phe Leu Tyr Leu Val Asn Leu Tyr Phe Leu Tyr Gln
 130 135 140

Tyr Ser Thr Arg Leu Glu Thr Gly Ala Phe Asp Gly Arg Pro Ala Asp
 145 150 155 160

Tyr Leu Phe Met Leu Leu Phe Asn Trp Ile Cys Ile Val Ile Thr Gly
 165 170 175

Leu Ala Met Asp Met Gln Leu Leu Met Ile Pro Leu Ile Met Ser Val
 180 185 190

Leu Tyr Val Trp Ala Gln Leu Asn Arg Asp Met Ile Val Ser Phe Trp
 195 200 205
 Phe Gly Thr Arg Phe Lys Ala Cys Tyr Leu Pro Trp Val Ile Leu Gly
 210 215 220
 Phe Asn Tyr Ile Ile Gly Gly Ser Val Ile Asn Glu Leu Ile Gly Asn
 225 230 235 240
 Leu Val Gly His Leu Tyr Phe Phe Leu Met Phe Arg Tyr Pro Met Asp
 245 250 255
 Leu Gly Gly Arg Asn Phe Leu Ser Thr Pro Gln Phe Leu Tyr Arg Trp
 260 265 270
 Leu Pro Ser Arg Arg Gly Gly Val Ser Gly Phe Gly Val Pro Pro Ala
 275 280 285
 Ser Met Arg Arg Ala Ala Asp Gln Asn Gly Gly Xaa Gly Arg His Asn
 290 295 300
 Trp Gly Gln Gly Phe Arg Leu Gly Asp Gln
 305 310

<210> 967

<211> 181

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (163)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (175)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 967

Thr Ser Ser Asp Thr Leu Thr Val Leu Ser Arg Ala Arg Leu Gly Ser
 1 5 10 15

Leu Leu Trp Gln Asn Leu Gly Ser Gln Glu Val Leu Val Pro Gly Asn
 20 25 30

Ser Cys Phe Ser Gly Ala Gly Leu Tyr Ser Leu Gln Pro Leu Ala Leu
 35 40 45

Pro Ser Trp Asn Gln Gly Gln Arg Leu Ser Pro Thr Leu Val Ser Ile
 50 55 60
 Phe Gln Lys Thr Gly Asn Ala Val Arg Ala Ile Gly Arg Leu Ser Ser
 65 70 75 80
 Met Ala Met Ile Ser Gly Leu Ser Gly Arg Lys Ser Ser Thr Gly Ser
 85 90 95
 Pro Thr Ser Pro Leu Asn Ala Glu Lys Leu Glu Ser Glu Glu Asp Val
 100 105 110
 Ser Gln Ala Phe Leu Glu Ala Val Ala Glu Glu Lys Pro His Val Lys
 115 120 125
 Pro Tyr Phe Ser Lys Thr Ile Arg Asp Leu Glu Val Val Glu Gly Ser
 130 135 140
 Ala Ala Arg Phe Asp Cys Lys Ile Glu Gly Tyr Pro Asp Pro Glu Val
 145 150 155 160
 Val Trp Xaa Gln Arg Trp Thr Ser Ser Ile Arg Glu Ser Arg Xaa Phe
 165 170 175
 Pro Asp Arg Leu Arg
 180

<210> 968
 <211> 291
 <212> PRT
 <213> Homo sapiens

<400> 968
 His Gly Ala Gly Glu Ser Glu Pro Ser Ser Arg Val Pro Arg Arg Ala
 1 5 10 15
 Ala Ser Pro Gly His Val Pro Arg Leu Arg Gly Thr Arg Pro Glu Leu
 20 25 30
 Arg Glu Arg Arg Arg Val Arg Arg Pro Arg Ala Pro Pro Ala Ala Ala
 35 40 45
 Gln Ala Ala Gln Gln Lys Phe His Leu Val Pro Ser Ile Asn Thr Met
 50 55 60
 Ser Gly Ser Gln Glu Leu Gln Trp Met Val Gln Pro His Phe Leu Gly
 65 70 75 80
 Pro Ser Ser Tyr Pro Arg Pro Leu Thr Tyr Pro Gln Tyr Ser Pro Pro

85 90 95

Gln Pro Arg Pro Gly Val Ile Arg Ala Leu Gly Pro Pro Pro Gly Val
100 105 110

Arg Arg Arg Pro Cys Glu Gln Ile Ser Pro Glu Glu Glu Glu Arg Arg
115 120 125

Arg Val Arg Arg Glu Arg Asn Lys Leu Ala Ala Ala Lys Cys Arg Asn
130 135 140

Arg Arg Lys Glu Leu Thr Asp Phe Leu Gln Ala Glu Thr Asp Lys Leu
145 150 155 160

Glu Asp Glu Lys Ser Gly Leu Gln Arg Glu Ile Glu Glu Leu Gln Lys
165 170 175

Gln Lys Glu Arg Leu Glu Leu Val Leu Glu Ala His Arg Pro Ile Cys
180 185 190

Lys Ile Pro Glu Gly Ala Lys Glu Gly Asp Thr Gly Ser Thr Ser Gly
195 200 205

Thr Ser Ser Pro Pro Ala Pro Cys Arg Pro Val Pro Cys Ile Ser Leu
210 215 220

Ser Pro Gly Pro Val Leu Glu Pro Glu Ala Leu His Thr Pro Thr Leu
225 230 235 240

Met Thr Thr Pro Ser Leu Thr Pro Phe Thr Pro Ser Leu Val Phe Thr
245 250 255

Tyr Pro Ser Thr Pro Glu Pro Cys Ala Ser Ala His Arg Lys Ser Ser
260 265 270

Ser Ser Ser Gly Asp Pro Ser Ser Asp Pro Leu Gly Ser Pro Thr Leu
275 280 285

Leu Ala Leu
290

<210> 969

<211> 313

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (35)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (62)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (121)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (137)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (312)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (313)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 969

Glu Glu Glu Lys Lys Asp Ser Gly Val Ala Ser Thr Glu Asp Ser Ser
1 5 10 15

Ser Ser His Ile Thr Ala Ala Ala Ile Ala Ala Lys Lys His Pro Phe
20 25 30

Tyr Thr Xaa Pro Ala Val Val Met Ala His Gly Glu Gln Pro Ile Pro
35 40 45

Gly Leu Ile Asn Tyr Ser His His Ser Thr Asp Glu Arg Xaa Pro Asp
50 55 60

Ser Ile Ile Ser Arg Gly Val Gln Val Leu Pro Arg Asp Thr Ala Ser
65 70 75 80

Leu Ser Thr Thr Pro Ser Glu Ser Pro Arg Ala Gln Ala Thr Ser Arg
85 90 95

Leu Ser Thr Ala Ser Cys Pro Thr Pro Lys Val Gln Ser Arg Cys Ser
100 105 110

Ser Lys Glu Asn Ile Leu Arg Ala Xaa His Ser Ala Val Asp Ile Thr
115 120 125

Lys Val Ala Arg Arg His Arg Met Xaa Pro Phe Pro Leu Thr Ser Met
 130 135 140
 Asp Lys Ala Phe Ile Thr Val Leu Glu Met Thr Pro Val Leu Gly Thr
 145 150 155 160
 Glu Ile Ile Asn Tyr Arg Asp Gly Met Gly Arg Val Leu Ala Gln Asp
 165 170 175
 Val Tyr Ala Lys Asp Asn Leu Pro Pro Phe Pro Ala Ser Val Lys Asp
 180 185 190
 Gly Tyr Ala Val Arg Ala Ala Asp Gly Pro Gly Asp Arg Phe Ile Ile
 195 200 205
 Gly Glu Ser Gln Ala Gly Glu Gln Pro Thr Gln Thr Val Met Pro Gly
 210 215 220
 Gln Val Met Arg Val Thr Thr Gly Ala Pro Ile Pro Cys Gly Ala Asp
 225 230 235 240
 Ala Val Val Gln Val Glu Asp Thr Glu Leu Ile Arg Glu Ser Asp Asp
 245 250 255
 Gly Thr Glu Glu Leu Glu Val Arg Ile Leu Val Gln Ala Arg Pro Gly
 260 265 270
 Gln Asp Ile Arg Pro Ile Gly His Asp Ile Lys Arg Gly Glu Cys Val
 275 280 285
 Leu Ala Lys Gly Thr His Met Gly Pro Ser Glu Ile Gly Leu Leu Ala
 290 295 300
 Thr Val Gly Val Thr Glu Val Xaa Xaa
 305 310

<210> 970

<211> 42

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (17)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 970

His Met Lys Lys Gln Leu Leu Val Pro Asp Tyr Gly His Phe His Val

1 5 10 15
Xaa Glu Phe Leu Lys Leu Ser Leu Leu Arg Met Val Leu Leu Pro Ala
 20 25 30
Asp Ser Tyr Leu Phe Val Phe Ser Ser Phe
 35 40

<210> 971
<211> 67
<212> PRT
<213> Homo sapiens

<400> 971
Gln Lys Asp Arg Glu Ile Arg Ile Phe Cys Ala Glu Ser Pro Lys Phe
1 5 10 15
Pro Pro Glu Cys Asn Leu Gln Leu Pro Tyr Leu Leu Ser His Met Pro
 20 25 30
Ser Asn Met Leu Asp Trp Leu Ile His Arg Pro Thr Gln Asn Thr Asn
 35 40 45
Val Thr Cys Ser Cys Ser Leu Val Ala Ile Cys Leu Phe Ser Met Tyr
 50 55 60
Pro Ala Trp
65

<210> 972
<211> 54
<212> PRT
<213> Homo sapiens

<400> 972
Ile Val Phe Phe Phe Ser Leu Phe Tyr Lys Cys Gln Phe Asn Ser Arg
1 5 10 15
Ala Leu Ala Gln Tyr Phe Leu Met Ile Phe Ser Pro Arg Lys Arg Arg
 20 25 30
Lys Ser Leu Leu Val Thr Gln Leu Arg Cys Gln Thr Ser Ser Glu Thr
 35 40 45
Cys Thr Val Ala Ala Tyr
50

<210> 973
<211> 102
<212> PRT
<213> Homo sapiens

<400> 973
Val Val Leu Phe Glu His Lys Leu His Phe Tyr Phe Leu Met Gln Arg
1 5 10 15
Met Asn Lys Leu Asn Thr Cys Phe Glu Asp Arg Ser Arg Cys Ser Val
20 25 30
Trp His His Val Ile Ile Cys Leu Phe Tyr Asn Ile His Val Ser Leu
35 40 45
Arg Asn His Gly Arg Asp Val Arg Ala Glu Tyr Thr Gln Gln Met Leu
50 55 60
Lys Glu Lys Glu Gly Ser Val Leu Gln Lys Lys Lys Lys Arg Thr Asn
65 70 75 80
Arg Ile Leu Thr Leu Leu Thr Phe Pro Asn Phe Pro Met Leu Leu Val
85 90 95
Asn Ile Ile Ile Val Ser
100

<210> 974
<211> 365
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (297)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (316)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (321)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (335)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (347)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (363)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 974

Gly Met Lys Thr Asn Gly Gly Arg Cys Arg Val Arg Ala Leu Cys Trp
1 5 10 15

Ser Arg Arg Glu Trp Arg Gly Ala Gly Met Ala Gln Lys Lys Tyr Leu
20 25 30

Gln Ala Lys Leu Thr Gln Phe Leu Arg Glu Asp Arg Ile Gln Leu Trp
35 40 45

Lys Pro Pro Tyr Thr Asp Glu Asn Lys Lys Val Gly Leu Ala Leu Lys
50 55 60

Asp Leu Ala Lys Gln Tyr Ser Asp Arg Leu Glu Cys Cys Glu Asn Glu
65 70 75 80

Val Glu Lys Val Ile Glu Glu Ile Arg Cys Lys Ala Ile Glu Arg Gly
85 90 95

Thr Gly Asn Asp Asn Tyr Arg Thr Thr Gly Ile Ala Thr Ile Glu Val
100 105 110

Phe Leu Pro Pro Arg Leu Lys Lys Asp Arg Lys Asn Leu Leu Glu Thr
115 120 125

Arg Leu His Ile Thr Gly Arg Glu Leu Arg Ser Lys Ile Ala Glu Thr
130 135 140

Phe Gly Leu Gln Glu Asn Tyr Ile Lys Ile Val Ile Asn Lys Lys Gln
145 150 155 160

Leu Gln Leu Gly Lys Thr Leu Glu Glu Gln Gly Val Ala His Asn Val
165 170 175

Lys Ala Met Val Leu Glu Leu Lys Gln Ser Glu Glu Asp Ala Arg Lys
180 185 190

Asn Phe Gln Leu Glu Glu Glu Glu Gln Asn Glu Ala Lys Leu Lys Glu
195 200 205

Lys Gln Ile Gln Arg Thr Lys Arg Gly Leu Glu Ile Leu Ala Lys Arg
210 215 220

Ala Ala Glu Thr Val Val Asp Pro Glu Met Thr Pro Tyr Leu Asp Ile
225 230 235 240

Ala Asn Gln Thr Gly Arg Ser Ile Arg Ile Pro Pro Ser Glu Arg Lys
245 250 255

Ala Leu Met Leu Ala Met Gly Tyr His Glu Lys Gly Arg Ala Phe Leu
260 265 270

Lys Arg Lys Glu Tyr Gly Ile Ala Leu Pro Cys Leu Leu Asp Ala Asp
275 280 285

Lys Tyr Phe Cys Glu Cys Cys Arg Xaa Leu Leu Asp Thr Val Asp Asn
290 295 300

Tyr Ala Val Leu Gln Leu Asp Ile Val Trp Cys Xaa Phe Arg Leu Glu
305 310 315 320

Xaa Leu Glu Cys Leu Asp Asp Ala Glu Lys Lys Leu Asn Leu Xaa Gln
325 330 335

Lys Cys Phe Lys Asn Cys Tyr Gly Glu Asn Xaa Gln Arg Leu Val His
340 345 350

Ile Lys Val Cys Ser Trp Glu Phe Ile Leu Xaa Ala Arg
355 360 365

<210> 975

<211> 146

<212> PRT

<213> Homo sapiens

<400> 975

Arg Gly Cys Lys Arg Glu Gly Leu Ala Met Ser Ser Leu Ile Arg Arg
1 5 10 15

Val Ile Ser Thr Ala Lys Ala Pro Gly Ala Ile Gly Pro Tyr Ser Gln
20 25 30

Ala Val Leu Val Asp Arg Thr Ile Tyr Ile Ser Gly Gln Ile Gly Met
35 40 45

Asp Pro Ser Ser Gly Gln Leu Val Ser Gly Gly Val Ala Glu Glu Ala
50 55 60

Lys Gln Ala Leu Lys Asn Met Gly Glu Ile Leu Lys Ala Ala Gly Cys
65 70 75 80

Asp Phe Thr Asn Val Val Lys Thr Thr Val Leu Leu Ala Asp Ile Asn
85 90 95

Asp Phe Asn Thr Val Asn Glu Ile Tyr Lys Gln Tyr Phe Lys Ser Asn
100 105 110

Phe Pro Ala Arg Ala Ala Tyr Gln Val Ala Ala Leu Pro Lys Gly Ser
115 120 125

Arg Ile Glu Ile Glu Ala Val Ala Ile Gln Gly Pro Leu Thr Thr Ala
130 135 140

Ser Leu
145

<210> 976

<211> 80

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (22)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (23)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (38)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (61)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (71)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 976

Ser	Ser	Glu	Leu	Leu	Leu	His	Ser	Phe	Leu	Gly	Ser	Val	Ser	Ser	Gln
1				5					10					15	
Asn	His	Arg	Tyr	Pro	Xaa	Xaa	Ser	Gln	Thr	Thr	Ala	Leu	Gly	Glu	Gly
			20					25					30		
Thr	Ile	Arg	Phe	Thr	Xaa	Gly	Phe	His	Thr	Leu	Met	Leu	Leu	Ala	Phe
		35					40					45			
Asn	Leu	Thr	Thr	Leu	Asp	Cys	Gln	Val	Phe	Thr	Asp	Xaa	Trp	Thr	Trp
	50					55					60				
Ile	Gln	Asp	Trp	Glu	Cys	Xaa	Gly	Met	Val	Trp	Gln	Gln	Cys	Leu	Leu
65					70					75					80

<210> 977

<211> 59

<212> PRT

<213> Homo sapiens

<400> 977

Thr	Asp	Asp	Glu	Phe	Ser	Gln	Met	Thr	Leu	Arg	Asn	Cys	Phe	Thr	Lys
1					5				10					15	
Asn	Lys	Val	Ile	Tyr	Leu	Leu	Trp	Glu	Glu	Leu	Pro	Ser	Phe	Cys	Phe
			20					25					30		
Ser	Ser	Leu	Pro	Pro	Phe	Pro	Cys	Gly	Cys	Arg	Ala	Arg	Ser	Val	Arg
		35					40					45			
Ser	Trp	Phe	Cys	Pro	Ala	Met	Ile	Arg	Glu	Ser					
	50					55									

<210> 978

<211> 203

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (188)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 978

Leu Trp Glu Leu Lys Lys Leu Ser Val His Phe His Pro Ser Val Ala
1 5 10 15

Leu Phe Ala Lys Thr Ile Leu Gln Gly Asn Tyr Ile Gln Tyr Ser Gly
20 25 30

Asp Pro Leu Gln Asp Phe Thr Leu Met Arg Phe Leu Asp Arg Phe Val
35 40 45

Tyr Arg Asn Pro Lys Pro His Lys Gly Lys Glu Asn Thr Asp Ser Val
50 55 60

Val Met Gln Pro Lys Arg Lys His Phe Ile Lys Asp Ile Arg His Leu
65 70 75 80

Pro Val Asn Ser Lys Glu Phe Leu Ala Lys Glu Glu Ser Gln Ile Pro
85 90 95

Val Asp Glu Val Phe Phe His Arg Tyr Tyr Lys Lys Val Ala Val Lys
100 105 110

Glu Lys Gln Lys Arg Asp Ala Asp Glu Glu Ser Ile Glu Asp Val Asp
115 120 125

Asp Glu Glu Phe Glu Glu Leu Ile Asp Thr Phe Glu Asp Asp Asn Cys
130 135 140

Phe Ser Ser Gly Lys Asp Asp Met Asp Phe Ala Gly Asn Val Lys Lys
145 150 155 160

Arg Thr Lys Gly Ala Lys Asp Asn Thr Leu Asp Glu Asp Ser Glu Gly
165 170 175

Ser Asp Asp Glu Leu Gly Asn Leu Asp Asp Asp Xaa Ser Phe Phe Arg
180 185 190

Glu Val Trp Met Met Glu Glu Phe Ala Gly Ser
195 200

<210> 979

<211> 141

<212> PRT

<213> Homo sapiens

<400> 979

Ala Ala Gly Phe Gly Asp Phe Cys Leu Ile Ala Met Ser Gly Arg Gly

1 5 10 15
Lys Gln Gly Gly Lys Ala Arg Ala Lys Ala Lys Ser Arg Ser Ser Arg
20 25 30
Ala Gly Leu Gln Phe Pro Val Gly Arg Val His Arg Leu Leu Arg Lys
35 40 45
Gly Asn Tyr Ala Glu Arg Val Gly Ala Gly Ala Pro Val Tyr Leu Ala
50 55 60
Ala Val Leu Glu Tyr Leu Thr Ala Glu Ile Leu Glu Leu Ala Gly Asn
65 70 75 80
Ala Ala Arg Asp Asn Lys Lys Thr Arg Ile Ile Pro Arg His Leu Gln
85 90 95
Leu Ala Ile Arg Asn Asp Glu Glu Leu Asn Lys Leu Leu Gly Arg Val
100 105 110
Thr Ile Ala Gln Gly Gly Val Leu Pro Asn Ile Gln Ala Val Leu Leu
115 120 125
Pro Lys Lys Thr Glu Ser His His Lys Ala Lys Gly Lys
130 135 140

<210> 980

<211> 111

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (35)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 980

Gly Glu Leu Ser Phe Phe Gly Arg His Pro Asp Val Pro Arg Glu Ala
1 5 10 15
Ala Gly Ala His Gly Asp Arg His Ala Ser Pro Trp Ala Phe Phe Leu
20 25 30
Glu Arg Xaa Lys Ala Pro Arg Leu Thr Thr Arg Ser His Arg Leu Leu
35 40 45
Ser Asp Val Phe Ala Ala Ser Trp Thr Pro His Arg Met Leu Thr Thr
50 55 60

Lys Thr Leu Gln Pro Trp Val Ala Arg Leu Asp Glu Met Glu Arg Gly
 65 70 75 80

Leu Phe Gln Thr Gly Gln Lys Gly Leu Asn Asp Phe Gln Cys Trp Glu
 85 90 95

Lys Gly Gln Ala Ser Gln Ile Thr Ala Ser Asn Leu Val Gln Asn
 100 105 110

<210> 981

<211> 167

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (70)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (162)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 981

Trp Arg Met Gly Phe Ser Arg Val Leu Cys Phe Thr Asn Ser Arg Glu
 1 5 10 15

Asn Ser His Arg Leu Phe Leu Leu Val Gln Ala Phe Gly Gly Val Asp
 20 25 30

Val Ala Glu Phe Ser Ser Arg Tyr Gly Pro Gly Gln Arg Arg Met Ile
 35 40 45

Leu Lys Gln Phe Glu Gln Gly Lys Ile Gln Leu Leu Ile Ser Thr Asp
 50 55 60

Ala Thr Ala Arg Gly Xaa Asp Val Gln Gly Val Glu Leu Val Val Asn
 65 70 75 80

Tyr Asp Ala Pro Gln Tyr Leu Arg Thr Tyr Val His Arg Val Gly Arg
 85 90 95

Thr Ala Arg Ala Gly Lys Thr Gly Gln Ala Phe Thr Leu Leu Leu Lys
 100 105 110

Val Gln Glu Arg Arg Phe Leu Arg Met Leu Thr Glu Ala Gly Ala Pro
 115 120 125

Glu Leu Gln Arg His Glu Leu Ser Ser Lys Leu Leu Gln Pro Leu Val
130 135 140

Pro Arg Tyr Glu Glu Ala Leu Ser Gln Leu Glu Glu Ser Val Lys Glu
145 150 155 160

Glu Xaa Lys Gln Arg Ala Ala
165

<210> 982

<211> 108

<212> PRT

<213> Homo sapiens

<400> 982

Ala Asn Glu Pro Gln Phe Leu Ala Val Tyr Lys Lys Ser Leu Asn Ala
1 5 10 15

Asn Glu Glu Phe Lys Gly Leu Phe Lys Glu Met Lys Gly Phe Pro Asn
20 25 30

Arg Met Ile Tyr Ser Glu Glu Thr Asn Asn Gly Ile Ser Glu Thr His
35 40 45

Asn Leu Lys Pro Asn Leu Glu Asn Met Leu Cys Thr Lys Thr Thr Ala
50 55 60

Ser Ala Ser Ser Leu Ile Leu Thr Phe Phe Asn Arg Tyr Leu Leu Asn
65 70 75 80

Cys Pro Val Lys Arg Cys His Asn Ala Gln Tyr Cys Lys Gln Gln Val
85 90 95

Cys Ile His Glu Ala Phe Ile His Ser Gly Val Tyr
100 105

<210> 983

<211> 150

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (150)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 983

Phe Ser Leu Ser Leu Ser Met Thr Pro Gln Leu Leu Leu Ala Leu Val
 1 5 10 15
 Leu Trp Ala Ser Cys Pro Pro Cys Ser Gly Arg Lys Gly Pro Pro Ala
 20 25 30
 Ala Leu Thr Leu Pro Arg Val Gln Cys Arg Ala Ser Arg Tyr Pro Ile
 35 40 45
 Ala Val Asp Cys Ser Trp Thr Leu Pro Pro Ala Pro Asn Ser Thr Ser
 50 55 60
 Pro Val Ser Phe Ile Ala Thr Tyr Arg Leu Gly Met Ala Ala Arg Gly
 65 70 75 80
 His Ser Trp Pro Cys Leu Gln Gln Thr Pro Thr Ser Thr Ser Cys Thr
 85 90 95
 Ile Thr Asp Val Gln Leu Phe Ser Met Ala Pro Tyr Val Leu Asn Val
 100 105 110
 Thr Ala Val His Pro Trp Gly Ser Ser Ser Ser Phe Val Pro Phe Ile
 115 120 125
 Thr Glu His Ile Ile Lys Pro Asp Pro Pro Glu Gly Val Arg Leu Ser
 130 135 140
 Pro Leu Ala Glu Arg Xaa
 145 150

<210> 984
 <211> 158
 <212> PRT
 <213> Homo sapiens

<400> 984
 Arg Leu Cys Trp Val Lys Thr Leu Gln His Leu Leu Leu Arg Ser Thr
 1 5 10 15
 His Lys Asp Gln Val Gln His Arg Gly Leu Gly Thr Ser Leu Ala Ser
 20 25 30
 Gly Pro His Leu Thr Val Arg Gln Gln Leu Pro Ser Pro Ala Met Cys
 35 40 45
 Leu Leu Ser Gly Ser Ser Cys Leu Lys Leu Thr Ser Thr Phe Phe Pro
 50 55 60
 Asp Gly Gln Val Ala Glu Gly Pro Ala Ile Ser Val Ala Cys Cys His

Ser Phe Ile Asn Tyr Pro Val Ser Gly Ser Phe Leu Ile Ala Val
 50 55 60

<210> 987
 <211> 90
 <212> PRT
 <213> Homo sapiens

<400> 987
 His His Arg Ile Asn Cys Val His Leu Tyr His Cys Phe Thr Ser Leu
 1 5 10 15
 Trp Trp Ile Tyr Met Ala Lys Leu Cys Glu Glu Ile Gly Lys Lys Lys
 20 25 30
 Leu Pro Leu Thr Lys Asp Met Arg Glu Gln Gly Val Lys Ser Asn Pro
 35 40 45
 Cys Asp Ser Ser Leu Ser His Thr Asp Arg Trp Tyr Leu Pro Val Ser
 50 55 60
 Ser Thr Leu Phe Ser Leu Phe Lys Ile Leu Phe His Ala Ser Arg Phe
 65 70 75 80
 Ile Phe Val Leu Ser Thr Ser Leu Phe Leu
 85 90

<210> 988
 <211> 50
 <212> PRT
 <213> Homo sapiens

<400> 988
 Ala Gln Glu Glu Lys Lys Pro Tyr Leu Cys Ser Arg Phe Cys Lys Gly
 1 5 10 15
 Glu Ile Ser Thr Glu Arg Asn His Cys Tyr Thr Ser Ala Lys Thr Gln
 20 25 30
 Gly Leu Gly Asp Leu Phe Leu Phe Ile Cys Phe Gly Tyr Leu Ala Ser
 35 40 45
 Phe Ser
 50

<210> 989
<211> 92
<212> PRT
<213> Homo sapiens

<400> 989
Arg Met Lys Arg Ser Arg Arg Trp Ser Arg Tyr Lys Ala Leu Asn Ala
1 5 10 15
Gly Arg Thr Ser Lys Arg Ile His Lys Gly Leu Val Val Arg Lys Gly
20 25 30
Trp Leu Gly Lys Leu Pro Ser Leu Pro Leu Arg Trp Arg Ala Arg Gly
35 40 45
Val Met Thr Leu Met Phe Ile Leu Leu Ala Ala Met Leu Trp Phe Val
50 55 60
Ala Ala Pro Val Val Thr Tyr Ile Leu Cys Ala Leu Val Val Leu Leu
65 70 75 80
Ala Ala Pro Val Leu Asn Gly Arg Leu Tyr Ala Arg
85 90

<210> 990
<211> 87
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (33)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (35)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 990
Ser Gly Leu Ile Pro Phe Pro Phe Gln Arg Ile Ala Lys Lys Lys Leu
1 5 10 15
Thr Val Glu Ala Gly Cys Ser Glu Val Gly Cys Gly Val Gly Gly Thr
20 25 30
Xaa Gly Xaa Ala Leu Trp Ala Gly Ala Gly Gly Phe Glu Gly Leu Ser
35 40 45

Ser Thr Arg Ala Gln Arg Ser Cys Gln Trp Pro Val Ala Leu Pro Pro
50 55 60

Phe Pro Glu Arg Gly Ser Arg Gly His Pro Gly Arg Leu Gly Pro Gly
65 70 75 80

Pro Pro Ser Ala Leu Ala Ser
85

<210> 991

<211> 184

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (46)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (151)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 991

Phe Ala Thr Asp Arg Phe Phe Lys Cys Trp His Asn Ala Gln Ser Ser
1 5 10 15

Met Arg Glu Gln Pro Ile Phe Thr Thr Arg Ala His Val Phe Gln Ile
20 25 30

Asp Pro Asn Thr Lys Lys Asn Trp Met Pro Ala Ser Lys Xaa Ala Val
35 40 45

Thr Val Ser Tyr Phe Tyr Asp Val Thr Arg Asn Ser Tyr Arg Ile Ile
50 55 60

Ser Val Asp Gly Ala Lys Val Ile Ile Asn Ser Thr Ile Thr Pro Asn
65 70 75 80

Met Thr Phe Thr Lys Thr Ser Gln Lys Phe Gly Gln Trp Ala Asp Ser
85 90 95

Arg Ala Asn Thr Val Phe Gly Leu Gly Phe Ser Ser Glu Gln Gln Leu
100 105 110

Thr Lys Phe Ala Glu Lys Phe Gln Glu Val Lys Glu Ala Ala Lys Ile
115 120 125

Ala Lys Asp Lys Thr Gln Glu Lys Ile Glu Thr Ser Ser Asn His Ser
130 135 140

Gln Ala Ser Ser Val Asn Xaa Thr Asp Asp Glu Lys Ala Ser His Ala
145 150 155 160

Gly Pro Ala Asn Thr His Leu Lys Ser Glu Asn Asp Lys Leu Lys Ile
165 170 175

Ala Leu Thr Gln Ser Ala Pro Thr
180

<210> 992

<211> 66

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (22)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 992

Pro Cys His Leu Gln His Glu Glu Ser Leu Ser Gly Val Lys Val Asn
1 5 10 15

Glu Thr Asn Arg Asp Xaa Arg Pro Gly Glu Ile Leu Val Thr Leu Leu
20 25 30

Glu Ser Cys Gln Ser Tyr Thr Gly Val Leu Leu Ile Gln Asn Asn Ser
35 40 45

Asn Asn Pro Ser Val Ser Tyr Val Tyr Ala Asn Phe Asn Lys Lys Lys
50 55 60

Leu Asp
65

<210> 993

<211> 434

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (13)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (25)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (95)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (99)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 993

Ser Gly Pro Gly Val Gln Trp Val Gln Pro Ala Cys Xaa Leu Arg Pro
1 5 10 15

Asp Arg Gly Ala Pro Thr Asp Gly Xaa Gly Gly Ala Leu Gln Ala Glu
20 25 30

Thr Pro Ser Ser Ala Glu Ser Gln Glu Phe Trp Glu Val Lys Arg Lys
35 40 45

Glu Lys Leu Ile Thr Asn Gly Thr Ile Phe Cys Phe Glu Met Glu Pro
50 55 60

Ala Val Ser Glu Pro Met Arg Asp Gln Val Ala Arg Thr His Leu Thr
65 70 75 80

Glu Asp Thr Pro Lys Val Asn Ala Asp Ile Glu Lys Val Asn Xaa Asn
85 90 95

Gln Ala Xaa Arg Cys Thr Val Ile Gly Gly Ser Gly Phe Leu Gly Gln
100 105 110

His Met Val Glu Gln Leu Leu Ala Arg Gly Tyr Ala Val Asn Val Phe
115 120 125

Asp Ile Gln Gln Gly Phe Asp Asn Pro Gln Val Arg Phe Phe Leu Gly
130 135 140

Asp Leu Cys Ser Arg Gln Asp Leu Tyr Pro Ala Leu Lys Gly Val Asn
145 150 155 160

Thr Val Phe His Cys Ala Ser Pro Pro Pro Ser Ser Asn Asn Lys Glu
165 170 175

Leu Phe Tyr Arg Val Asn Tyr Ile Gly Thr Lys Asn Val Ile Glu Thr

180	185	190
Cys Lys Glu Ala Gly Val Gln Lys Leu Ile Leu Thr Ser Ser Ala Ser		
195	200	205
Val Ile Phe Glu Gly Val Asp Ile Lys Asn Gly Thr Glu Asp Leu Pro		
210	215	220
Tyr Ala Met Lys Pro Ile Asp Tyr Tyr Thr Glu Thr Lys Ile Leu Gln		
225	230	235 240
Glu Arg Ala Val Leu Gly Ala Asn Asp Pro Glu Lys Asn Phe Leu Thr		
245	250	255
Thr Ala Ile Arg Pro His Gly Ile Phe Gly Pro Arg Asp Pro Gln Leu		
260	265	270
Val Pro Ile Leu Ile Glu Ala Ala Arg Asn Gly Lys Met Lys Phe Val		
275	280	285
Ile Gly Asn Gly Lys Asn Leu Val Asp Phe Thr Phe Val Glu Asn Val		
290	295	300
Val His Gly His Ile Leu Ala Ala Glu Gln Leu Ser Arg Asp Ser Thr		
305	310	315 320
Leu Gly Gly Lys Ala Phe His Ile Thr Asn Asp Glu Pro Ile Pro Phe		
325	330	335
Trp Thr Phe Leu Ser Arg Ile Leu Thr Gly Leu Asn Tyr Glu Ala Pro		
340	345	350
Lys Tyr His Ile Pro Tyr Trp Val Ala Tyr Tyr Leu Ala Leu Leu Leu		
355	360	365
Ser Leu Leu Val Met Val Ile Ser Pro Val Ile Gln Leu Gln Pro Thr		
370	375	380
Phe Thr Pro Met Arg Val Ala Leu Ala Gly Thr Phe His Tyr Tyr Ser		
385	390	395 400
Cys Glu Arg Ala Lys Lys Ala Met Gly Tyr Gln Pro Leu Val Thr Met		
405	410	415
Asp Asp Ala Met Glu Arg Thr Val Gln Ser Phe Arg His Leu Arg Arg		
420	425	430
Val Lys		

<210> 994
 <211> 29
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (17)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 994
 Met Leu His Gly Ile Thr Ser Phe Ile Leu Tyr Lys Ser Ile Met Cys
 1 5 10 15

Xaa Glu Leu Lys Thr Ser Leu Gly Asn Ile Asn Ser Ser
 20 25

<210> 995
 <211> 175
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (27)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (52)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (75)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (77)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 995
 Arg Gly Leu Val Arg Gly Ala Met Val Gly Gly Met Gln Glu Arg Glu
 1 5 10 15

Pro Ala Leu Thr Val Lys Leu Arg Leu Phe Xaa Pro Gln Pro Ser Thr
 20 25 30

Pro Ala Gln Thr Gly Ser Trp Ala Leu Phe Cys Leu Ser Gln Pro His
35 40 45

Ser Lys Pro Xaa Pro Pro Ala Pro Pro Tyr Cys Asn Ser Pro His Ser
50 55 60

His Thr Arg Ser Pro Leu Pro Pro Thr Tyr Xaa Arg Xaa Phe Ser Pro
65 70 75 80

Leu Pro Ser Gln Leu Pro Ala Pro Ser Cys Phe Thr Lys Gly Glu Val
85 90 95

Pro Gly His Leu Arg Val Ser Leu Cys Gly Ala Gln Asn Leu Gln Gly
100 105 110

Pro Leu Ser Me* Pro Leu Val Pro Trp Thr Val Ser Leu Val His Leu
115 120 125

Leu Ser Pro Ser Ile Leu Ser Gln Ser Thr Asp Phe Ser His Ser Ala
130 135 140

Val Ser Val Gln Pro Tyr Pro Arg Asp Leu Asp Ala Trp Pro Pro Asn
145 150 155 160

Leu Ala Leu Gly Tyr Pro Asp Ala Asn Gln Thr Pro Pro Ser Ser
165 170 175

<210> 996

<211> 218

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (42)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (118)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (172)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (173)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (182)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 996

Thr Leu Ser His Gln Val Thr Gln Gln Met Asn Met Leu Ile Gly Val
1 5 10 15

Glu Leu Gln Arg Leu Leu Val Cys Gln Val Phe Leu Phe Ile Gln Leu
20 25 30

Asp Thr Met His Ala Gln Lys Leu Leu Xaa Lys Met Gly Gly Ser Ala
35 40 45

Pro Pro Asp Ser Ser Trp Arg Gly Ser Leu Lys Val Pro Tyr Asn Val
50 55 60

Gly Pro Gly Phe Thr Gly Asn Phe Ser Thr Gln Lys Val Lys Met His
65 70 75 80

Ile His Ser Thr Asn Glu Val Thr Arg Ile Tyr Asn Val Ile Gly Thr
85 90 95

Leu Arg Gly Ala Val Glu Pro Asp Arg Tyr Val Ile Leu Gly Gly His
100 105 110

Arg Asp Ser Trp Val Xaa Gly Gly Ile Asp Pro Gln Ser Gly Ala Ala
115 120 125

Val Val His Glu Ile Val Arg Ser Phe Gly Thr Leu Lys Lys Glu Gly
130 135 140

Trp Arg Pro Arg Arg Thr Ile Leu Phe Ala Ser Trp Asp Ala Glu Glu
145 150 155 160

Phe Gly Leu Leu Gly Ser Thr Glu Trp Ala Glu Xaa Xaa Ser Arg Leu
165 170 175

Leu Gln Glu Arg Gly Xaa Gly Phe Ile Leu Asn Ala Asp Ser Ser Ile
180 185 190

Gly Arg Lys Leu His Ser Glu Glu Leu Asp Cys Thr Pro Leu Asp Val
195 200 205

Gln Leu Gly Thr Gln Pro Tyr Gln Arg Ala
210 215

<210> 997
<211> 119
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (8)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 997
Gly Arg Arg Gln Pro Thr Pro Xaa Thr Ser Pro Glu Pro Pro Arg Ser
1 5 10 15
Ser Pro Arg Gln Thr Pro Ala Pro Gly Pro Ala Arg Glu Lys Ser Ala
20 25 30
Gly Lys Arg Gly Pro Asp Arg Gly Ser Pro Glu Tyr Arg Gln Arg Arg
35 40 45
Glu Arg Asn Asn Ile Ala Val Arg Lys Ser Arg Asp Lys Ala Lys Arg
50 55 60
Arg Asn Gln Glu Met Gln Gln Lys Leu Val Glu Leu Ser Ala Glu Asn
65 70 75 80
Glu Lys Leu His Gln Arg Val Glu Gln Leu Thr Arg Asp Leu Ala Gly
85 90 95
Leu Arg Gln Phe Phe Lys Gln Leu Pro Ser Pro Pro Phe Leu Pro Ala
100 105 110
Ala Gly Thr Ala Asp Cys Arg
115

<210> 998
<211> 101
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (18)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (21)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 998

Leu Val Asn Gly Ala Arg Lys Val Thr Gly Gln Arg Thr Gln Met Tyr
1 5 10 15

Arg Xaa Asp Met Xaa Asn Asn Lys Asn Gly Val Asp Gln Glu Ile Ile
20 25 30

Phe Pro Pro Ile Lys Thr Asp Val Ile Thr Met Asp Pro Lys Asp Asn
35 40 45

Cys Ser Lys Asp Ala Asn Asp Thr Leu Leu Leu Gln Leu Thr Asn Thr
50 55 60

Ser Ala Tyr Tyr Met Tyr Leu Leu Leu Leu Lys Ser Val Val Tyr
65 70 75 80

Phe Ala Ile Ile Thr Cys Cys Leu Leu Arg Arg Thr Ala Phe Cys Cys
85 90 95

Asn Gly Glu Lys Ser
100

<210> 999

<211> 68

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (67)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 999

Gly Thr Ser Ala Gly Val Asn Pro Tyr Lys Cys Ser Gln Cys Glu Lys
1 5 10 15

Ser Phe Ser Gly Lys Leu Arg Leu Leu Val His Gln Arg Met His Thr
20 25 30

Arg Glu Lys Pro Tyr Glu Cys Ser Glu Cys Gly Lys Ala Phe Ile Arg
35 40 45

Asn Ser Gln Leu Ile Val His Gln Arg Thr His Ser Gly Glu Lys Pro
50 55 60

Tyr Gly Xaa Gln
65

<210> 1000

<211> 320

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (19)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1000

Arg Pro Cys Glu Arg Thr Val Arg Pro Arg His Ser Gly His Ser Gly
1 5 10 15

Pro Asn Xaa Cys Cys Ser Cys Arg Cys Ser Ser Cys Thr Gly Glu Ala
20 25 30

Ala Ile Ala Gly Arg Leu Arg Thr Ala Ala Ala Gly Ala Arg Thr Ala
35 40 45

Gly Ala Ala Leu Arg His Leu Gly Ala Gly Gln Arg Glu Leu Gly Pro
50 55 60

Arg Leu Glu Glu Thr Lys Trp Glu Val Cys Gln Lys Ser Gly Glu Ile
65 70 75 80

Ser Leu Leu Lys Gln Gln Leu Lys Glu Ser Gln Ala Glu Leu Val Gln
85 90 95

Lys Gly Ser Glu Leu Val Ala Leu Arg Val Ala Leu Arg Glu Ala Arg
100 105 110

Ala Thr Leu Arg Val Ser Glu Gly Arg Ala Arg Gly Leu Gln Glu Ala
115 120 125

Ala Arg Ala Arg Glu Leu Glu Leu Glu Ala Cys Ser Gln Glu Leu Gln
130 135 140

Arg His Arg Gln Glu Ala Glu Gln Leu Arg Glu Lys Ala Gly Gln Leu
145 150 155 160

Asp Ala Glu Ala Ala Gly Leu Arg Glu Pro Pro Val Pro Pro Ala Thr
165 170 175

Ala Asp Pro Phe Leu Leu Ala Glu Ser Asp Glu Ala Lys Val Gln Arg
180 185 190

Ala Ala Ala Gly Val Gly Gly Ser Leu Arg Ala Gln Val Glu Arg Leu
 195 200 205

Arg Val Glu Leu Gln Arg Glu Arg Arg Arg Gly Glu Glu Gln Arg Asp
 210 215 220

Ser Phe Glu Gly Glu Arg Leu Ala Trp Gln Ala Glu Lys Glu Gln Val
 225 230 235 240

Ile Arg Tyr Gln Lys Gln Leu Gln His Asn Tyr Ile Gln Met Tyr Arg
 245 250 255

Arg Asn Arg Gln Leu Glu Gln Glu Leu Gln Gln Leu Ser Leu Glu Leu
 260 265 270

Glu Ala Arg Glu Leu Ala Asp Leu Gly Leu Ala Glu Gln Pro Pro Ala
 275 280 285

Ser Ala Trp Arg Arg Ser Leu Leu Leu Arg Ser Arg Ala Leu Ser Asn
 290 295 300

Gln Leu Cys Arg Glu Leu Cys Gln Arg Gly Ser Ser Cys Arg Ser Thr
 305 310 315 320

<210> 1001
 <211> 70
 <212> PRT
 <213> Homo sapiens

<400> 1001
 Gly Leu Cys Phe Leu Pro Trp Val Gly Phe Ser Ser Met His Val Gly
 1 5 10 15

Cys Phe Ser Leu Asn Leu Ile Val Cys Leu Val Cys Phe Pro Pro Phe
 20 25 30

Pro Phe Leu Phe Lys Leu Ile His Arg Thr Gln Lys Phe Thr Arg Tyr
 35 40 45

Glu His Leu Lys Lys Trp Asn Arg Glu Asn Gly Thr Ser His Val Ile
 50 55 60

Lys Ile Asn Ile Val Leu
 65 70

<210> 1002
<211> 79
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (31)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (69)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1002
Ile Phe Tyr Thr Ile Leu Gln Trp Asp Arg Asn Cys Leu Thr Pro Ala
1 5 10 15
Gly Val Thr Pro His Glu Pro Gln Gly Ser Ser Val Pro Lys Xaa Lys
20 25 30
Lys Gly Asn Arg Trp Pro Pro Pro Leu Pro His Ser Pro Gly Thr Gln
35 40 45
Asp Cys Ser Leu Lys Val Phe Glu Pro Pro Ser Phe Pro Phe Leu Leu
50 55 60
Gly Gly Gln Gly Xaa Leu Asn Ser Arg Ala Leu Pro Val Leu Pro
65 70 75

<210> 1003
<211> 158
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (90)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1003
Ile Arg His Glu Gly Thr Leu Asn Gln Pro Leu Thr Lys Leu Asp Arg
1 5 10 15
Ser Ser Glu Glu Pro Leu Gly Val Leu Val Asn Pro Asn Met Tyr Gln
20 25 30

Ser Pro Pro Gln Trp Val Asp His Thr Gly Ala Ala Ser Gln Lys Lys
35 40 45
Ala Phe Arg Ser Ser Gly Phe Gly Leu Glu Phe Asn Ser Phe Gln His
50 55 60
Gln Leu Arg Ile Gln Asp Gln Glu Phe Gln Glu Gly Phe Asp Gly Gly
65 70 75 80
Trp Cys Leu Ser Val His Gln Pro Trp Xaa Ser Leu Leu Val Arg Gly
85 90 95
Ile Lys Arg Val Glu Gly Arg Ser Trp Tyr Thr Pro His Arg Gly Arg
100 105 110
Leu Trp Ile Ala Ala Thr Ala Lys Lys Pro Ser Pro Gln Glu Val Ser
115 120 125
Glu Leu Gln Ala Thr Tyr Arg Leu Leu Arg Gly Lys Asp Val Glu Phe
130 135 140
Pro Asn Asp Tyr Pro Ser Val Val Phe Trp Ala Val Trp Thr
145 150 155

<210> 1004

<211> 64

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (17)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (44)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (46)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (49)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1004

Ala Gly Thr Leu Thr Pro Ala Tyr Cys Leu Lys Thr Ser Pro Thr Gly
1 5 10 15

Xaa Phe Met Val Ser Tyr Pro Leu Pro His Ile Phe Leu Ala Thr Arg
20 25 30

Gln Glu Thr Tyr Leu Trp His Leu Gln Ile Ser Xaa Ile Xaa Phe Trp
35 40 45

Xaa Phe Pro Cys Leu Ala Ile Cys Phe Ile Glu Trp Val Ser Glu Thr
50 55 60

<210> 1005

<211> 67

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (44)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1005

Ser Ser Lys Phe Arg Ala Ile Asn Pro Ile Ser Val Ile Lys Ser Ser
1 5 10 15

Thr Asp Asn Asn Glu Gln Leu Leu Lys Ser Asn Ile Leu Ser Leu Phe
20 25 30

Thr Asn Val Ser Leu Ser Ile Gly Thr Phe Leu Xaa Tyr Leu Phe Ala
35 40 45

Cys His Tyr Asp Gln Lys Lys Gln Lys Ala Thr Gln Lys Gly Gln Pro
50 55 60

His Ser Lys
65

<210> 1006

<211> 223

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (33)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (43)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1006

Leu	Asp	Lys	Lys	Arg	Lys	Lys	Asp	Met	Leu	Asn	Ser	Lys	Thr	Lys	Thr
1				5					10					15	

Gln	Tyr	Phe	His	Gln	Glu	Lys	Trp	Ile	Tyr	Val	His	Lys	Gly	Ser	Thr
			20					25					30		

Xaa	Glu	Arg	His	Gly	Tyr	Cys	Thr	Leu	Gly	Xaa	Ala	Phe	Asn	Arg	Leu
		35					40					45			

Asp	Phe	Ser	Thr	Ala	Ile	Leu	Asp	Ser	Arg	Arg	Phe	Asn	Tyr	Val	Val
	50					55					60				

Arg	Leu	Leu	Glu	Leu	Ile	Ala	Lys	Ser	Gln	Leu	Thr	Ser	Leu	Ser	Gly
65					70					75					80

Ile	Ala	Gln	Lys	Asn	Phe	Met	Asn	Ile	Leu	Glu	Lys	Val	Val	Leu	Lys
			85						90					95	

Val	Leu	Glu	Asp	Gln	Gln	Asn	Ile	Arg	Leu	Ile	Arg	Glu	Leu	Leu	Gln
		100						105					110		

Thr	Leu	Tyr	Thr	Ser	Leu	Cys	Thr	Leu	Val	Gln	Arg	Val	Gly	Lys	Ser
	115						120					125			

Val	Leu	Val	Gly	Asn	Ile	Asn	Met	Trp	Val	Tyr	Arg	Met	Glu	Thr	Ile
	130					135					140				

Leu	His	Trp	Gln	Gln	Gln	Leu	Asn	Asn	Ile	Gln	Ile	Thr	Arg	Pro	Ala
145					150					155					160

Phe	Lys	Gly	Leu	Thr	Phe	Thr	Asp	Leu	Pro	Leu	Cys	Leu	Gln	Leu	Asn
			165					170						175	

Ile	Met	Gln	Arg	Leu	Ser	Asp	Gly	Arg	Asp	Leu	Val	Ser	Leu	Gly	Gln
		180						185						190	

Leu	Pro	Pro	Thr	Cys	Thr	Cys	Ser	Ala	Lys	Thr	Gly	Cys	Cys	Gly	Arg
	195						200					205			

Asn Ser Ala Ser Thr Thr Ser Pro Ser Gly Arg Ser Ala Asn Asp
210 215 220

<210> 1007
<211> 152
<212> PRT
<213> Homo sapiens

<400> 1007
Phe Gly Thr Ser Phe Cys Trp Cys Tyr Phe Gln Phe Tyr Phe Gln Cys
1 5 10 15
His Asn Arg Val Ile Phe Lys Gln Leu Leu Gln Ala Lys Ala Leu Gln
20 25 30
Phe Leu Gln Ile Asp Ser Cys Arg Leu Gly Ser Val Asn Glu Asn Leu
35 40 45
Ser Val Leu Leu Met Ala Lys Lys Phe Glu Ile Pro Val Cys Pro His
50 55 60
Ala Gly Gly Val Gly Leu Cys Glu Leu Val Gln His Leu Ile Ile Phe
65 70 75 80
Asp Tyr Ile Ser Val Ser Ala Ser Leu Glu Asn Arg Val Cys Glu Tyr
85 90 95
Val Asp His Leu His Glu His Phe Lys Tyr Pro Val Met Ile Gln Arg
100 105 110
Ala Ser Tyr Met Pro Pro Lys Asp Pro Gly Tyr Ser Thr Glu Met Lys
115 120 125
Glu Glu Ser Val Lys Lys His Gln Tyr Pro Asp Gly Glu Val Trp Lys
130 135 140
Lys Leu Leu Pro Ala Gln Glu Asn
145 150

<210> 1008
<211> 69
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (15)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1008

Arg Glu Glu Ile Met Lys Gly Arg Glu Tyr Gln Glu Ala Gly Xaa Trp
1 5 10 15

Gly Pro Ser Gln Arg Leu Pro Asn Thr Gly Tyr Ser Leu Ala Pro Asp
20 25 30

Asp Ser Cys Ser Phe Gln Met Gln Asn Ala Pro Ser Gln Asp Leu Gln
35 40 45

Lys Ser Tyr Pro Ile Ile Gly Leu Ala Gln Ser Ser Glu Pro Tyr His
50 55 60

Leu Lys Phe Gln Val
65

<210> 1009

<211> 87

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (59)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1009

Val Ile Val Asn Val Leu Asn Tyr Gln Leu Glu Gly Ile Phe Val Leu
1 5 10 15

Lys Val Asp Ile Glu Glu Pro Lys Trp Met Met Gly Phe Gly Ala Ser
20 25 30

Ser Glu Ser Met Phe Pro Leu Lys Tyr Phe Pro Lys Gln Trp Tyr Thr
35 40 45

Trp Leu Phe Tyr Tyr Glu Ile Cys Ile Cys Xaa Val Phe Leu Cys Glu
50 55 60

Gln Cys Phe Ser Leu Ser Val Thr Ile Cys Lys Gly Lys Ser Thr Asn
65 70 75 80

Ile Asp Tyr Ile Ala Gln Asn
85

<210> 1010
 <211> 164
 <212> PRT
 <213> Homo sapiens

<400> 1010
 Asp His Pro Ala Glu Glu Leu Gly Gln Ser Ile Cys Ile Cys His Pro
 1 5 10 15
 Arg Thr Leu Thr Met Lys Thr Leu Leu Leu Leu Ala Val Ile Met Ile
 20 25 30
 Phe Gly Leu Leu Gln Ala His Gly Asn Leu Val Asn Phe His Arg Met
 35 40 45
 Ile Lys Leu Thr Thr Gly Lys Glu Ala Ala Leu Ser Tyr Gly Phe Tyr
 50 55 60
 Gly Cys His Cys Gly Val Gly Gly Arg Gly Ser Pro Lys Asp Ala Thr
 65 70 75 80
 Asp Arg Cys Cys Val Thr His Asp Cys Cys Tyr Lys Arg Leu Glu Lys
 85 90 95
 Arg Gly Cys Gly Thr Lys Phe Leu Ser Tyr Lys Phe Ser Asn Ser Gly
 100 105 110
 Ser Arg Ile Thr Cys Ala Lys Gln Asp Ser Cys Arg Ser Gln Leu Cys
 115 120 125
 Glu Cys Asp Lys Ala Ala Ala Thr Cys Phe Ala Arg Asn Lys Thr Thr
 130 135 140
 Tyr Asn Lys Lys Tyr Gln Tyr Tyr Ser Asn Lys His Cys Arg Gly Ser
 145 150 155 160
 Thr Pro Arg Cys

<210> 1011
 <211> 113
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (102)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (106)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (111)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1011

Pro Thr Arg Pro Arg Arg Ala Ala Phe Pro Val Trp Val Pro Glu Arg
1 5 10 15

Thr Ala Leu Leu Thr Cys Pro Leu Gly Ala Ala Pro Gly Ser Ser Arg
20 25 30

Glu Ala Pro Gly Ile Ala Gly Pro Pro Asn Ser Thr Ala Met Ser Lys
35 40 45

Leu Gly Lys Phe Phe Lys Gly Gly Gly Ser Ser Lys Ser Arg Ala Ala
50 55 60

Pro Ser Pro Gln Glu Ala Leu Val Arg Leu Arg Glu Thr Glu Glu Met
65 70 75 80

Leu Gly Lys Lys Gln Glu Tyr Leu Glu Asn Arg Ile Gln Arg Glu Ile
85 90 95

Ala Leu Ala Lys Lys Xaa Gly Thr Gln Xaa Lys Arg Gly Ile Xaa Thr
100 105 110

Lys

<210> 1012
<211> 79
<212> PRT
<213> Homo sapiens

<400> 1012

Leu Thr Asp Leu Pro Cys Asn Lys Ile Val Phe Cys Glu Lys Gln Glu
1 5 10 15

Met Asn Asn Asn Ser Val Gly Thr Pro Leu Gln Ile Ser Gln Glu Ile
20 25 30

Gln Lys Asn Cys Glu Gln Val Ala Gly Phe Thr Ile Leu Gln Asp Thr
35 40 45

Ala Ser Tyr Ser Lys Phe Leu Gln Asp Asn Asp Ala Gln Leu Phe Thr
50 55 60

Tyr Leu Cys Leu Asn Ile Pro Ile Ser Leu Thr Phe Ile Leu Trp
65 70 75

<210> 1013

<211> 54

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (52)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1013

Gln Asp Arg Glu Gly Phe Gly Ser Gly Gln Ala Gly Asp Gly Tyr Glu
1 5 10 15

His Leu Ser Phe Glu Thr Cys Arg Gly Gly Asn Glu Gly Arg Gly Pro
20 25 30

Cys Val Glu Val Phe Ile Gln Glu Ala Val Val Pro Leu Gly Leu Asn
35 40 45

Ile Ala Ser Xaa Arg Gln
50

<210> 1014

<211> 95

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (45)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (52)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1014

Ala Gly Asp Leu Arg Ala Gly Ser Thr Leu Lys Arg Phe Gly Phe Pro

1	5	10	15
Arg Pro Gly Trp Gly Glu Arg Ala Gly Cys Pro Leu Asp Ser Pro Pro	20	25	30
Pro His Leu Met Ser Arg Pro Ser Ala Pro Trp Ser Xaa Ala Ile Met	35	40	45
Pro Pro Trp Xaa Gly Ala Lys Asp Ile Glu Gly Leu Leu Gly Ala Gly	50	55	60
Gly Gly Arg Asn Leu Val Ala His Ser Pro Leu Thr Ser His Pro Ala	65	70	75
			80
Ala Pro Thr Leu Met Pro Ala Val Asn Tyr Ala Pro Leu Asp Leu	85	90	95

<210> 1015

<211> 132

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (131)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1015

Gln Lys Arg Ser Glu Asn Ile Lys Gln Val Glu Val Trp Ser Ile Leu	1	5	10	15
Ser Lys Met Asn Ile Ser Gly Ser Ser Cys Gly Ser Pro Asn Ser Ala	20	25	30	
Asp Thr Ser Ser Asp Phe Lys Asp Leu Trp Thr Lys Leu Lys Glu Cys	35	40	45	
His Asp Arg Glu Val Gln Gly Leu Gln Val Lys Val Thr Lys Leu Lys	50	55	60	
Gln Glu Arg Ile Leu Asp Ala Gln Arg Leu Glu Glu Phe Phe Thr Lys	65	70	75	80
Asn Gln Gln Leu Arg Glu Gln Gln Lys Val Leu His Glu Thr Ile Lys	85	90	95	
Val Leu Glu Asp Arg Leu Arg Ala Gly Leu Cys Asp Arg Cys Ala Val	100	105	110	

Thr Glu Glu His Met Arg Lys Lys Gln Gln Glu Phe Glu Asn Ile Pro
115 120 125

Ala Ala Xaa Ser
130

<210> 1016
<211> 43
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (5)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (42)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1016
Gly Gly Arg Phe Xaa Val His Arg Thr Pro Ile Thr His Pro Ala Ser
1 5 10 15

Gln Val Glu Gly Leu Gln Val Arg Arg Cys Ile Pro Gln Gly Leu Met
20 25 30

Leu Ser Ala Ile Phe Ile Pro Arg Gln Xaa Ser
35 40

<210> 1017
<211> 188
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (105)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (180)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (188)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1017

Cys Arg Ala Ser Phe Ala Gly Pro Ala Ala Leu Gln Asp Arg Asp Trp
1 5 10 15

Gln Arg Thr Val Ile Ala Met Asn Gly Ile Glu Val Lys Leu Ser Val
20 25 30

Lys Phe Asn Ser Arg Glu Phe Ser Leu Lys Arg Met Pro Ser Arg Lys
35 40 45

Gln Thr Gly Val Phe Gly Val Lys Ile Ala Val Val Thr Lys Arg Glu
50 55 60

Arg Ser Lys Val Pro Tyr Ile Val Arg Gln Cys Val Glu Glu Ile Glu
65 70 75 80

Arg Arg Gly Met Glu Glu Val Gly Ile Tyr Arg Val Ser Gly Val Ala
85 90 95

Thr Asp Ile Gln Ala Leu Lys Ala Xaa Phe Asp Val Asn Asn Lys Asp
100 105 110

Val Ser Val Met Met Ser Glu Met Asp Val Asn Ala Ile Ala Gly Thr
115 120 125

Leu Lys Leu Tyr Phe Arg Glu Leu Pro Glu Pro Leu Phe Thr Asp Glu
130 135 140

Phe Tyr Pro Asn Phe Ala Glu Gly Ile Ala Leu Ser Asp Pro Val Ala
145 150 155 160

Lys Glu Ser Cys Met Leu Asn Leu Leu Leu Ser Leu Ala Gly Ala Asn
165 170 175

Leu Ala Ser Xaa Phe Leu Phe Leu Phe Gly Thr Xaa
180 185

<210> 1018

<211> 424

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (25)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (153)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1018

Gly Thr Ser Val Asp Glu Gly Ser Ile Ser Pro Arg Thr Leu Ser Ala
1 5 10 15

Ile Lys Arg Ala Leu Asp Asp Asp Xaa Asp Val Lys Val Cys Ala Gly
20 25 30

Asp Asp Val Gln Thr Gly Gly Pro Gly Ala Glu Glu Met Arg Ile Asn
35 40 45

Ser Ser Thr Glu Asn Ser Asp Glu Gly Leu Lys Val Arg Asp Gly Lys
50 55 60

Gly Ile Pro Phe Thr Ala Thr Leu Ala Ser Ser Ser Val Asn Ser Ala
65 70 75 80

Glu Glu His Val Ala Ser Thr Asn Glu Gly Arg Glu Pro Thr Asp Ser
85 90 95

Val Pro Lys Glu Gln Met Ser Leu Val His Val Gly Thr Glu Ala Phe
100 105 110

Pro Ile Ser Asp Glu Ser Met Ile Lys Asp Arg Lys Asp Arg Leu Pro
115 120 125

Leu Glu Ser Ala Val Val Arg His Ser Asp Ala Pro Gly Leu Pro Asn
130 135 140

Gly Arg Glu Leu Thr Pro Ala Ser Xaa Thr Cys Thr Asn Ser Val Ser
145 150 155 160

Lys Asn Glu Thr His Ala Glu Val Leu Glu Gln Gln Asn Glu Leu Cys
165 170 175

Pro Tyr Glu Ser Lys Phe Asp Ser Ser Leu Leu Ser Ser Asp Asp Glu
180 185 190

Thr Lys Cys Lys Pro Asn Ser Ala Ser Glu Val Ile Gly Pro Val Ser
195 200 205

Leu Gln Glu Thr Ser Ser Ile Val Ser Val Pro Ser Glu Ala Val Asp
210 215 220

Asn Val Glu Asn Val Val Ser Phe Asn Ala Lys Glu His Glu Asn Phe

225 230 235 240
Leu Glu Thr Ile Gln Glu Gln Gln Thr Thr Glu Ser Ala Gly Gln Asp
 245 250 255
Leu Ile Ser Ile Pro Lys Ala Val Glu Pro Met Glu Ile Asp Ser Glu
 260 265 270
Glu Ser Glu Ser Asp Gly Ser Phe Ile Glu Val Gln Ser Val Ile Ser
 275 280 285
Asp Glu Glu Leu Gln Ala Glu Phe Pro Glu Thr Ser Lys Pro Pro Ser
 290 295 300
Glu Gln Gly Glu Glu Glu Leu Val Gly Thr Arg Glu Gly Glu Ala Pro
305 310 315 320
Ala Glu Ser Glu Ser Leu Leu Arg Asp Asn Ser Glu Arg Asp Asp Val
 325 330 335
Asp Gly Glu Pro Gln Glu Ala Glu Lys Asp Ala Glu Asp Ser Leu His
 340 345 350
Glu Trp Gln Asp Ile Asn Leu Glu Glu Leu Glu Thr Leu Glu Ser Asn
 355 360 365
Leu Leu Ala Gln Gln Asn Ser Leu Lys Ala Gln Lys Gln Gln Gln Glu
 370 375 380
Arg Ile Ala Ala Thr Val Thr Gly Gln Met Phe Leu Glu Ser Gln Glu
385 390 395 400
Leu Leu Arg Leu Phe Gly Ile Pro Tyr Ile Gln Ala Pro Met Glu Ala
 405 410 415
Glu Ala Gln Cys Ala Ser Trp Thr
 420

<210> 1019

<211> 90

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (44)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1019

Val Leu Leu Ile Thr Phe Leu Gly Glu Glu Lys Lys Cys Tyr Ser Cys
1 5 10 15
Lys Gln Met Tyr Ser Phe Gln Lys Glu Ala Thr Phe Leu Leu Pro Ser
20 25 30
Leu Phe Leu Val Ser Ser Pro Arg Leu Ala Ile Xaa Ile Gly Ile Val
35 40 45
Met Ala Ser Ile Leu Ser Leu Leu His Pro Tyr Leu Leu Leu Cys Asp
50 55 60
Phe Ala Ala Pro Leu Ile Lys Glu Ala Glu Pro Pro Leu Pro Pro Ile
65 70 75 80
Gly Ala Gly Phe Glu Ser Asn Arg Met Lys
85 90

<210> 1020

<211> 71

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (16)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (44)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1020

Thr Arg Pro Ile Arg Pro Pro His Gln Ile Pro Val Asp Thr Leu Xaa
1 5 10 15
His Val Ile Asn Gln Thr Gly Gly Tyr Ser Asp Gly Leu Gly Gly Asn
20 25 30
Ser Leu Tyr Ser Pro His Asn Leu Asn Ala Asn Xaa Gly Trp Gln Asp
35 40 45
Ala Thr Thr Pro Ser Ser Val Thr Ser Pro Thr Glu Gly Pro Gly Ser
50 55 60
Val His Ser Asp Thr Ser Asn
65 70

<210> 1021
 <211> 301
 <212> PRT
 <213> Homo sapiens

<400> 1021

Pro Thr Pro Pro Thr Pro Ile Arg Thr Ala Ala Gln Arg Arg Glu Ile
 1 5 10 15

Trp Asp Phe Pro Gly Gln Ile Asp Phe Phe Asp Pro Thr Phe Asp Tyr
 20 25 30

Glu Met Ile Phe Arg Gly Thr Gly Ala Leu Ile Phe Val Ile Asp Ser
 35 40 45

Gln Asp Asp Tyr Met Glu Ala Leu Ala Arg Leu His Leu Thr Val Thr
 50 55 60

Arg Ala Tyr Lys Val Asn Thr Asp Ile Asn Phe Glu Val Phe Ile His
 65 70 75 80

Lys Val Asp Gly Leu Ser Asp Asp His Lys Ile Glu Thr Gln Arg Asp
 85 90 95

Ile His Gln Arg Ala Asn Asp Asp Leu Ala Asp Ala Gly Leu Glu Lys
 100 105 110

Ile His Leu Ser Phe Tyr Leu Thr Ser Ile Tyr Asp His Ser Ile Phe
 115 120 125

Glu Ala Phe Ser Lys Val Val Gln Lys Leu Ile Pro Gln Leu Pro Thr
 130 135 140

Leu Glu Asn Leu Leu Asn Ile Phe Ile Ser Asn Ser Gly Ile Glu Lys
 145 150 155 160

Ala Phe Leu Phe Asp Val Val Ser Lys Ile Tyr Ile Ala Thr Asp Ser
 165 170 175

Thr Pro Val Asp Met Gln Thr Tyr Glu Leu Cys Cys Asp Met Ile Asp
 180 185 190

Val Val Ile Asp Ile Ser Cys Ile Tyr Gly Leu Lys Glu Asp Gly Ala
 195 200 205

Gly Thr Pro Tyr Asp Lys Glu Ser Thr Ala Ile Ile Lys Leu Asn Asn
 210 215 220

Thr Thr Val Leu Tyr Leu Lys Glu Val Thr Lys Phe Leu Ala Leu Val

225 230 235 240
Cys Phe Val Arg Glu Glu Ser Phe Glu Arg Lys Gly Leu Ile Asp Tyr
 245 250 255
Asn Phe His Cys Phe Arg Lys Ala Ile His Glu Val Phe Glu Val Arg
 260 265 270
Met Lys Val Val Lys Ser Arg Lys Val Gln Asn Arg Leu Gln Lys Lys
 275 280 285
Lys Arg Ala Thr Pro Asn Gly Thr Pro Arg Val Leu Leu
 290 295 300

<210> 1022
<211> 36
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (10)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1022
Thr Ala Asn Arg Gly Ser Ser Ala Ser Xaa Lys Ala Asp Ser Gly Leu
 1 5 10 15
Ala Gln Ser Asp Gly Arg Asp Pro Pro Thr Leu Trp Gly Trp Ser Leu
 20 25 30
His Leu Ala Leu
 35

<210> 1023
<211> 173
<212> PRT
<213> Homo sapiens

<400> 1023
Ile Arg Gln Ser Ser Arg Glu Arg Ile Trp Arg Pro Pro Leu Trp Ile
 1 5 10 15
Leu Ala Arg Pro Gly Ser Ala Val Ala Val Arg Ala Gly Phe Pro Thr
 20 25 30
Pro Cys Arg Pro Pro Ser Leu Ser Ala Leu Ser Pro Ser Ala Ser Gln

35 40 45

Pro Cys Ser Arg Arg Arg Thr Gly Leu Ser Pro Gly Ser Trp Gly Trp
50 55 60

Pro Pro Ser Thr Arg Ser Ala Cys Phe Leu Thr Cys Leu Ser Ser Arg
65 70 75 80

Ser Tyr Arg Leu Gln Ile Gly His Phe Leu Cys Leu Val Ile Leu Val
85 90 95

Tyr Cys Ala Glu Tyr Ile Asn Glu Ala Ala Ala Met Asn Trp Arg Leu
100 105 110

Phe Ser Lys Tyr Gln Tyr Phe Asp Ser Arg Gly Met Phe Ile Ser Ile
115 120 125

Val Phe Ser Ala Pro Leu Leu Val Asn Ala Met Ile Ile Val Val Met
130 135 140

Trp Val Trp Lys Thr Leu Asn Val Met Thr Asp Leu Lys Asn Ala Gln
145 150 155 160

Glu Arg Arg Lys Glu Lys Lys Arg Arg Arg Lys Glu Asp
165 170

<210> 1024

<211> 73

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (25)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (34)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (36)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (41)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1024

Ala Trp Gly Ala Ala Arg Arg Gly Arg Gln Arg Pro Cys Pro Leu Leu
1 5 10 15

Ala Gly Arg Thr Glu Phe Trp Pro Xaa Cys Glu Gly Lys Ala Glu Ala
20 25 30

Cys Xaa Gly Xaa Trp Phe Lys Leu Xaa Gly Gln Gly Lys Gly Arg Gly
35 40 45

Glu Trp Phe Ser Arg Ser Arg Arg Leu Cys Ser Arg Trp Thr Leu Glu
50 55 60

Asn Lys Gly Glu Ser Ser Arg Glu Gln
65 70

<210> 1025

<211> 171

<212> PRT

<213> Homo sapiens

<400> 1025

Leu Leu Pro Glu Thr Ala Leu Leu Asn Met Arg Ala Ala Pro Leu Leu
1 5 10 15

Leu Ala Arg Ala Ala Ser Leu Ser Leu Gly Phe Leu Phe Leu Leu Phe
20 25 30

Phe Trp Leu Asp Arg Ser Val Leu Ala Lys Glu Leu Lys Phe Val Thr
35 40 45

Leu Val Phe Arg His Gly Asp Arg Ser Pro Ile Asp Thr Phe Pro Thr
50 55 60

Asp Pro Ile Lys Glu Ser Ser Trp Pro Gln Gly Phe Gly Gln Leu Thr
65 70 75 80

Gln Leu Gly Met Glu Gln His Tyr Glu Leu Gly Glu Tyr Ile Arg Lys
85 90 95

Arg Tyr Arg Lys Phe Leu Asn Glu Ser Tyr Lys His Glu Gln Val Tyr
100 105 110

Ile Arg Ser Thr Asp Val Asp Arg Thr Leu Met Ser Ala Met Thr Asn
115 120 125

Leu Ala Ala Leu Phe Pro Pro Glu Gly Val Ser Ile Trp Asn Pro Ile

130

135

140

Leu Leu Trp Gln Pro Ile Pro Val His Thr Val Pro Leu Ser Glu Asp
 145 150 155 160

Gln Leu Leu Tyr Leu Thr Phe Gln Glu Leu Pro
 165 170

<210> 1026

<211> 238

<212> PRT

<213> Homo sapiens

<400> 1026

Ala Asn Trp Asp Leu Glu Met Ile Leu Arg Cys Ser Ser Asn Asp Leu
 1 5 10 15

Glu Leu Leu Gln Ala Glu His Gly Ile Leu Lys Ile Gly Glu Thr Asn
 20 25 30

Lys Phe Ser Gly Tyr Pro Leu Tyr His Ser Val Tyr Glu Thr Tyr Glu
 35 40 45

Leu Val Glu Lys Phe Tyr Asp Pro Met Phe Lys Tyr His Leu Thr Val
 50 55 60

Ala Gln Val Arg Gly Gly Met Val Phe Glu Leu Ala Asn Ser Ile Val
 65 70 75 80

Leu Pro Phe Asp Cys Arg Asp Tyr Ala Val Val Leu Arg Lys Tyr Ala
 85 90 95

Asp Lys Ile Tyr Ser Ile Ser Met Lys His Pro Gln Glu Met Lys Thr
 100 105 110

Tyr Ser Val Ser Phe Asp Ser Leu Phe Ser Ala Val Lys Asn Phe Thr
 115 120 125

Glu Ile Ala Ser Lys Phe Ser Glu Arg Leu Gln Asp Phe Asp Lys Ser
 130 135 140

Asn Pro Ile Val Leu Arg Met Met Asn Asp Gln Leu Met Phe Leu Glu
 145 150 155 160

Arg Ala Phe Ile Asp Pro Leu Gly Leu Pro Asp Arg Pro Phe Tyr Arg
 165 170 175

His Val Ile Tyr Ala Pro Ser Ser His Asn Lys Tyr Ala Gly Glu Ser
 180 185 190

Phe Pro Gly Ile Tyr Asp Ala Leu Phe Asp Ile Glu Ser Lys Val Asp
195 200 205

Pro Ser Lys Ala Trp Gly Glu Val Lys Arg Gln Ile Tyr Val Ala Ala
210 215 220

Phe Thr Val Gln Ala Ala Ala Glu Thr Leu Ser Glu Val Ala
225 230 235

<210> 1027

<211> 132

<212> PRT

<213> Homo sapiens

<400> 1027

Gly Pro Thr Thr Thr Lys Phe Ala Ala Arg Arg Gln Gly Val Leu Leu
1 5 10 15

Ile Thr Met Asn Val Leu Leu Gly Ser Val Val Ile Phe Ala Thr Phe
20 25 30

Val Thr Leu Cys Asn Ala Ser Cys Tyr Phe Ile Pro Asn Glu Gly Val
35 40 45

Pro Gly Asp Ser Thr Arg Lys Cys Met Asp Leu Lys Gly Asn Lys His
50 55 60

Pro Ile Asn Ser Glu Trp Gln Thr Asp Asn Cys Glu Thr Cys Thr Cys
65 70 75 80

Tyr Glu Thr Glu Ile Ser Cys Cys Thr Leu Val Ser Thr Pro Val Gly
85 90 95

Tyr Asp Lys Asp Asn Cys Gln Arg Ile Phe Lys Lys Glu Asp Cys Lys
100 105 110

Tyr Ile Val Val Glu Lys Lys Asp Pro Lys Lys Thr Cys Ser Val Ser
115 120 125

Glu Trp Ile Ile
130

<210> 1028

<211> 116

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (41)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (111)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1028

Ser	Leu	Thr	Ser	Cys	Ile	Leu	Glu	Ile	Leu	Gln	Ser	Leu	Ser	Tyr	Ser
1				5					10					15	

Tyr	Gln	Asn	Ser	Cys	Arg	Pro	Leu	Thr	Pro	Asp	Ser	Pro	Cys	Leu	Gln
			20					25					30		

Cys	Pro	Pro	Ala	Cys	Arg	Gly	Gly	Xaa	Val	Thr	Ala	Thr	Leu	Ser	His
			35				40						45		

Gln	Leu	Phe	Ser	Ile	Cys	Arg	Pro	Ser	Trp	Gly	Arg	Val	Pro	Ser	Ser
	50					55					60				

Cys	Ser	Pro	Cys	Leu	Trp	Glu	Lys	Ser	His	Val	Leu	Phe	Ile	Ser	Pro
65					70					75					80

His	Cys	Thr	Leu	Ser	Leu	Thr	Leu	Asp	Tyr	Asn	Ser	Ser	Glu	Phe	Asp
				85					90					95	

Leu	His	Leu	Leu	Asp	Lys	Pro	Gly	Thr	Val	Leu	Gly	Ile	Met	Xaa	Thr
			100					105					110		

Ile	Arg	Gln	Ile
			115

<210> 1029

<211> 216

<212> PRT

<213> Homo sapiens

<400> 1029

Thr	Leu	Lys	Ser	Glu	Glu	Phe	Gln	Lys	Arg	Leu	His	Pro	Tyr	Lys	Asp
1				5					10					15	

Phe	Ile	Ala	Thr	Leu	Gly	Lys	Leu	Ser	Gly	Leu	His	Gly	Gln	Asp	Leu
				20				25					30		

Phe	Gly	Ile	Trp	Ser	Lys	Val	Tyr	Asp	Pro	Leu	Tyr	Cys	Glu	Ser	Val
-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----

35 40 45
His Asn Phe Thr Leu Pro Ser Trp Ala Thr Glu Asp Thr Met Thr Lys
50 55 60
Leu Arg Glu Leu Ser Glu Leu Ser Leu Leu Ser Leu Tyr Gly Ile His
65 70 75 80
Lys Gln Lys Glu Lys Ser Arg Leu Gln Gly Gly Val Leu Val Asn Glu
85 90 95
Ile Leu Asn His Met Lys Arg Ala Thr Gln Ile Pro Ser Tyr Lys Lys
100 105 110
Leu Ile Met Tyr Ser Ala His Asp Thr Thr Val Ser Gly Leu Gln Met
115 120 125
Ala Leu Asp Val Tyr Asn Gly Leu Leu Pro Pro Tyr Ala Ser Cys His
130 135 140
Leu Thr Glu Leu Tyr Phe Glu Lys Gly Glu Tyr Phe Val Glu Met Tyr
145 150 155 160
Tyr Arg Asn Glu Thr Gln His Glu Pro Tyr Pro Leu Met Leu Pro Gly
165 170 175
Cys Ser Pro Ser Cys Pro Leu Glu Arg Phe Ala Glu Leu Val Gly Pro
180 185 190
Val Ile Pro Gln Asp Trp Ser Thr Glu Cys Met Thr Thr Asn Ser His
195 200 205
Gln Gly Thr Glu Asp Ser Thr Asp
210 215

<210> 1030

<211> 41

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (10)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1030

His His Ala Trp Leu Ile Phe Leu Ile Xaa Ile Phe Ser Arg Asp Lys
1 5 10 15

Val Ala Leu Cys Cys Pro Gly Trp Tyr Gly Thr Pro Val Leu Lys Arg
 20 25 30

Ser Ser Cys Leu Gly Phe Pro Lys Cys
 35 40

<210> 1031
 <211> 43
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (7)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 1031
 Pro Gly Trp Ser Gln Ser Xaa Gly Leu Arg Pro Ser Phe His Leu Ile
 1 5 10 15
 Leu Pro Lys Asn Trp Asp Tyr Arg His Glu Gln Leu His Leu Val His
 20 25 30
 Met Leu Leu Ile Val Glu Glu Val Lys Gly Gln
 35 40

<210> 1032
 <211> 63
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (50)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 1032
 Gln Gly Phe Trp His Gln Leu Glu Ile Leu Trp Met Asp Val Leu Pro
 1 5 10 15
 Trp Ser Phe Tyr Phe Asn Val Leu Thr Thr Tyr Asp Ser Ser Ile Cys
 20 25 30
 Ser Ile Asn Tyr Ile His Tyr His Ser Asn Ser His His Leu Ile Cys
 35 40 45

Ile Xaa Tyr Leu Ile Leu Pro Ser Asn Tyr Gly Ile Ser Asp Leu

50

55

60

<210> 1033

<211> 63

<212> PRT

<213> Homo sapiens

<400> 1033

Lys Leu Cys Met Lys Thr Gly Gly Lys His Ser Val Ile Arg Tyr Phe
1 5 10 15

Ser Asn Ile Lys Thr Thr Lys Thr Asn Asp Lys Asn Val Tyr Phe Tyr
20 25 30

Thr Pro Ala Tyr Arg Val Ser Phe Arg Asp Val Tyr Glu Tyr Leu Asn
35 40 45

Leu Leu Ile Ser Val Leu Met Lys Ala Glu Leu Asn Arg Glu Ser
50 55 60

<210> 1034

<211> 113

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (16)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (100)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (105)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1034

Val Asn Leu Ala Cys Gly Ala Pro Leu Lys Cys Glu Asp Leu Ala Xaa
1 5 10 15

Trp Leu Lys Ile Lys Leu Gly Phe Val Leu Asn Ile Leu Ala Gly Pro
20 25 30

Ile Ile His Lys Lys Arg Gly His Ser Pro Phe Ala Arg Leu Leu Asn
 35 40 45

Glu Leu His Ser Phe Cys Thr Trp Lys Cys Leu Phe Ser His Lys Lys
 50 55 60

Asn Asn Ser Tyr Asn Leu Ile Ser Leu Val Pro Tyr Gln Gln Lys Lys
 65 70 75 80

Ser Gln Glu Thr Ile Met Lys Thr Leu Val Ser Ser Leu Gly Asp Tyr
 85 90 95

Ile Met Leu Xaa Ser Leu Ile Ile Xaa Leu Tyr Leu Asn Lys Tyr Ile
 100 105 110

Phe

<210> 1035
 <211> 143
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (23)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (81)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 1035
 Gly Leu Arg Asp Leu Asp Ser Asn Pro Arg Ala Leu Ser Cys Tyr Ser
 1 5 10 15

Gly Val Ser Thr Val Arg Xaa Gly Pro Gly Ala Leu Ser His His Leu
 20 25 30

Pro Arg Pro Arg Asp His His Pro Leu Lys Arg Gly Pro Ser Pro Leu
 35 40 45

Ser Thr Pro Ser Arg Asp Pro Ala Leu Gly Cys Ser Arg Leu Thr Ala
 50 55 60

His Gly Val Leu Phe Trp Ala Thr Ala Ala Arg Ala Pro Gly Arg Gly
 65 70 75 80

Xaa Gly Thr Pro Glu Asn Thr Pro Leu Phe Met Val Leu Cys Pro Phe
85 90 95

Ile Arg Arg Leu Leu Lys Asn Trp Ala Val Cys Lys Ala Asn Pro Ala
100 105 110

Pro Cys Pro Ser Arg Phe Ser Glu Arg Gly Val Pro Trp Glu Trp Ser
115 120 125

Cys Ser Pro His Gly Ser Thr Thr Phe Pro Val Pro Arg Cys His
130 135 140

<210> 1036

<211> 122

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (52)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (57)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (81)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (86)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1036

Glu His Ile Trp Leu Ser Ile Trp Asp Arg Pro Pro Arg Ser Cys Phe
1 5 10 15

Thr Arg Ile Gln Arg Ala Thr Cys Cys Val Leu Leu Ile Cys Leu Phe
20 25 30

Leu Gly Ala Asn Ala Val Trp Tyr Gly Ala Val Gly Asp Ser Ala Tyr
35 40 45

Ser Thr Gly Xaa Val Ser Arg Leu Xaa Pro Leu Ser Val Asp Thr Val
50 55 60

Ala Val Gly Leu Val Ser Ser Val Val Val Tyr Pro Val Tyr Leu Ala
65 70 75 80

Xaa Leu Phe Leu Phe Xaa Met Ser Arg Ser Lys Val Ile Asn Thr Leu
85 90 95

Ala Asp His Arg His Arg Gly Thr Asp Phe Gly Gly Ser Pro Trp Leu
100 105 110

Leu Ile Ile Asn Cys Val Ser Glu Lys Leu
115 120

<210> 1037

<211> 29

<212> PRT

<213> Homo sapiens

<400> 1037

Thr Pro Gly Leu Lys Gln Ser Phe Cys Leu Gly Pro Pro Lys Cys Trp
1 5 10 15

Asp Cys Gly His Glu Leu Leu Cys Pro Ala Ser Met Phe
20 25

<210> 1038

<211> 104

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (88)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (100)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1038

Glu Thr Ala Arg Gly Thr Gly Arg Asn Gly Leu Ser Ala Leu Asn His
1 5 10 15

His Lys Pro Trp Leu Arg Lys Gly His Ala Ser Pro Ser Arg Arg Met
20 25 30

Thr Pro Ile Arg Asp Pro Gln Arg Arg Cys Met Ser Ile Leu Ala Pro
35 40 45
Arg Ala Val Met Gln Pro Ala Arg Ser Gln Gly Glu Gly Thr Gln Lys
50 55 60
Pro Gly Met Leu Ala Lys Gly Val Lys Glu Thr Phe Glu Leu Phe Thr
65 70 75 80
Ala Cys Ser Asn Tyr Val Lys Xaa Thr Pro Leu Asn Lys Ile Trp Ser
85 90 95
Met Phe Val Xaa Leu Tyr Leu Ile
100

<210> 1039
<211> 156
<212> PRT
<213> Homo sapiens

<400> 1039
Gly His Met Glu Leu Ala Met Asp Asn Ser Tyr Ala Phe Asn Gln Arg
1 5 10 15
Ser Thr Cys Asn Gly Ile Pro Ser Glu Lys Lys Asn Asn Phe Leu Val
20 25 30
Ser Glu Asp His Gly Gln Lys Ile Leu Ser Val Leu Gln Asn Phe Arg
35 40 45
Glu Gln Asn Val Phe Tyr Asp Phe Lys Ile Ile Met Lys Asp Glu Ile
50 55 60
Ile Pro Cys His Arg Cys Val Leu Ala Ala Cys Ser Asp Phe Phe Arg
65 70 75 80
Ala Met Phe Glu Val Asn Met Lys Glu Arg Asp Asp Gly Ser Val Thr
85 90 95
Ile Thr Asn Leu Ser Ser Lys Ala Val Lys Ala Phe Leu Asp Tyr Ala
100 105 110
Tyr Thr Gly Lys Thr Lys Ile Thr Asp Asp Asn Val Glu Met Phe Phe
115 120 125
Gln Leu Ser Ser Phe Leu Gln Val Ser Phe Leu Ser Lys Ala Cys Ser
130 135 140
Asp Phe Leu Ile Lys Ser Ile Asn Leu Glu Lys Lys

145

150

155

<210> 1040

<211> 85

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (30)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1040

Pro Ser Pro Cys Pro Cys Ser Cys Ala Trp Val Arg Trp Pro Arg Arg
1 5 10 15

Thr Pro Pro Ser Arg Thr Thr Arg Ala Arg Thr His Gln Xaa Arg Asp
20 25 30

Met Ala Arg Tyr Tyr Ser Ala Leu Arg His Tyr Ile Asn Leu Ile Thr
35 40 45

Arg Gln Arg Tyr Gly Lys Arg Ser Ser Pro Glu Thr Leu Ile Ser Asp
50 55 60

Leu Leu Met Arg Glu Ser Thr Glu Asn Val Pro Arg Thr Arg Leu Glu
65 70 75 80

Asp Pro Ala Met Trp
85

<210> 1041

<211> 234

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (64)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1041

Leu Gly Gln Tyr Gln Pro Ala Arg Glu Glu Ile Ser Lys Asp Leu Arg
1 5 10 15

Ala Thr Leu Asn Ala Phe Leu Tyr His Met Gly Gln His Ser Asn Lys
20 25 30

Phe Met Leu Val Leu Ala Ser Asn Leu Pro Glu Gln Phe Asp Cys Ala
35 40 45

Ile Asn Ser Arg Ile Asp Val Met Val His Phe Asp Leu Pro Gln Xaa
50 55 60

Glu Glu Arg Glu Arg Leu Val Arg Leu His Phe Asp Asn Cys Val Leu
65 70 75 80

Lys Pro Ala Thr Glu Gly Lys Arg Arg Leu Lys Leu Ala Gln Phe Asp
85 90 95

Tyr Gly Arg Lys Cys Ser Glu Val Ala Arg Leu Thr Glu Gly Met Ser
100 105 110

Gly Arg Glu Ile Ala Gln Leu Ala Val Ser Trp Gln Ala Thr Ala Tyr
115 120 125

Ala Ser Lys Asp Gly Val Leu Thr Glu Ala Met Met Asp Ala Cys Val
130 135 140

Gln Asp Ala Val Gln Gln Tyr Arg Gln Lys Met Arg Trp Leu Lys Ala
145 150 155 160

Glu Gly Pro Gly Arg Gly Val Glu His Pro Leu Ser Gly Val Gln Gly
165 170 175

Glu Thr Leu Thr Ser Trp Ser Leu Ala Thr Asp Pro Ser Tyr Pro Cys
180 185 190

Leu Ala Gly Pro Cys Thr Phe Arg Ile Cys Ser Trp Met Gly Thr Gly
195 200 205

Leu Cys Pro Gly Pro Leu Ser Pro Arg Met Ser Cys Gly Gly Gly Arg
210 215 220

Pro Phe Cys Pro Pro Gly His Pro Leu Leu
225 230

<210> 1042

<211> 63

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (14)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1042

Ala Asn Leu Met Lys Cys Lys Val Gln Ala Gly Met Ile Xaa Ser Val
1 5 10 15
Cys Lys Asp Lys Ser Phe Asp Asp Glu Glu Ser Val Asp Gly Asn Arg
20 25 30
Pro Ser Ser Ala Ala Ser Ala Phe Lys Val Pro Ala Leu Lys His Pro
35 40 45
Glu Ile Leu Pro Thr Val Gln Gly Ser Trp Phe Ser Arg Trp Pro
50 55 60

<210> 1043

<211> 64

<212> PRT

<213> Homo sapiens

<400> 1043

Gln Leu Arg Ser Arg Ala Gly Leu Leu Ser Ser Thr Val Arg Ala Arg
1 5 10 15
Asn Trp Pro Gln Asn Pro Gln Ser Gln Pro Trp Gly Pro Leu Gly Pro
20 25 30
Gln Thr Pro Val Phe Ser Phe Cys Val Ala Ser Trp Phe Pro Gly Val
35 40 45
Leu Phe Tyr Ala Ala Ser Gly Val Arg Ser Ser Ala Phe Asn Leu Phe
50 55 60

<210> 1044

<211> 97

<212> PRT

<213> Homo sapiens

<400> 1044

Ala Ser Arg Ser Leu Pro Thr Ala Ala Val His Val Arg Leu Leu Pro
1 5 10 15
Leu Cys Ala Glu Arg Gln Glu Asp His Glu Asn Asp Pro Leu Ser Glu
20 25 30

Leu Gln Arg Gln Ile Ala Gln Pro Glu Met Arg Cys Thr Ile Arg Leu
35 40 45

Leu Asp Asp Ser Glu Ile Ser Cys His Ile Gln Arg Glu Thr Lys Gly
50 55 60

Gln Phe Leu Ile Asp His Ile Cys Asn Tyr Tyr Ser Leu Leu Glu Lys
65 70 75 80

Asp Tyr Phe Gly Ile Arg Tyr Val Asp Pro Glu Lys Gln Arg His Trp
85 90 95

Ala

<210> 1045

<211> 43

<212> PRT

<213> Homo sapiens

<400> 1045

Thr Leu Ile Phe Pro Pro Leu Arg Ile Ile Asn Phe Leu Ser Phe Tyr
1 5 10 15

His Ile Cys Phe Arg Ser Phe Phe Phe Leu Lys Lys Ser Ile Thr Asp
20 25 30

Leu Ala Lys Val Pro Phe Asp Gln Tyr Pro Thr
35 40

<210> 1046

<211> 221

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (29)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (182)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (186)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (209)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (212)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (214)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1046

Arg	Ser	Gly	Arg	Leu	Arg	Leu	Ser	Leu	Tyr	Cys	Gly	Ala	Gly	Gln	Gly
1				5					10					15	

Val	Arg	Ala	Gly	Arg	Gly	Thr	Gly	Thr	Pro	Ala	Val	Xaa	Gly	Arg	Leu
			20					25						30	

Glu	Ile	Met	Glu	Gly	Lys	Trp	Leu	Leu	Cys	Met	Leu	Leu	Val	Leu	Gly
		35					40						45		

Thr	Ala	Ile	Val	Glu	Ala	His	Asp	Gly	His	Asp	Asp	Asp	Val	Ile	Asp
	50					55					60				

Ile	Glu	Asp	Asp	Leu	Asp	Asp	Val	Ile	Glu	Glu	Val	Glu	Asp	Ser	Lys
65					70					75					80

Pro	Asp	Thr	Thr	Ala	Pro	Pro	Ser	Ser	Pro	Lys	Val	Thr	Tyr	Lys	Ala
				85					90					95	

Pro	Val	Pro	Thr	Gly	Glu	Val	Tyr	Phe	Ala	Asp	Ser	Phe	Asp	Arg	Gly
			100					105					110		

Thr	Leu	Ser	Gly	Trp	Ile	Leu	Ser	Lys	Ala	Lys	Lys	Asp	Asp	Thr	Asp
		115					120					125			

Asp	Glu	Ile	Ala	Lys	Tyr	Asp	Gly	Lys	Trp	Glu	Val	Glu	Glu	Met	Lys
	130					135					140				

Glu	Ser	Lys	Leu	Pro	Gly	Asp	Lys	Gly	Leu	Val	Leu	Met	Ser	Arg	Ala
145					150					155					160

Lys	His	His	Ala	Ile	Ser	Ala	Lys	Leu	Asn	Lys	Pro	Phe	Leu	Phe	Asp
				165					170					175	

Thr Lys Pro Leu Ile Xaa Gln Tyr Glu Xaa Asn Phe Gln Asn Gly Ile
180 185 190

Glu Cys Gly Gly Ala Tyr Val Lys Leu Leu Ser Lys Thr Pro Glu Leu
195 200 205

Xaa Leu Asp Xaa Val Xaa Arg Thr Ile Asn Cys Leu His
210 215 220

<210> 1047

<211> 82

<212> PRT

<213> Homo sapiens

<400> 1047

Gly Ile Pro Pro His Phe Cys Gly Phe Phe Pro Val Val Asp Asp Gln
1 5 10 15

Gly Trp Asn Leu Gln Ser Met Gly Pro Asp Phe Leu Pro Ser Ser Gln
20 25 30

Ile Asp Ser Ala Ala Ser His Leu Cys Ser Ala Pro Val Ala Leu Lys
35 40 45

Cys Asn Arg Asn His His Pro Arg Thr Met Gly Ser Met Pro Val Gly
50 55 60

Lys Ala Gln Val Arg Ser Leu Ser Ser Gln His Ile Ala Val Ala Gly
65 70 75 80

Thr Trp

<210> 1048

<211> 85

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (65)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (66)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (74)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1048

Pro Gly Ser Pro Asp Gln Arg Pro Thr Pro Gln Gly Glu Phe Ile Leu
1 5 10 15

Cys Gln Gln Gln Ser Phe Pro Ser Ser Glu Ala Ser His Pro His Pro
20 25 30

Arg Arg Gln Gly Lys Gln Ala Arg Gly Gly Gln Glu Ser Ser Gln Leu
35 40 45

Ser Glu Ala Ala Pro Pro Ala Pro Lys His Leu Pro Cys Ser Gln Leu
50 55 60

Xaa Xaa Gln Leu Leu Pro Ala Ala Lys Xaa Thr Ala Ala Phe Arg Leu
65 70 75 80

Thr Ser Met Pro Leu
85

<210> 1049

<211> 75

<212> PRT

<213> Homo sapiens

<400> 1049

Ser Pro Cys Arg Glu Glu Ser Gln Gln Ile Ile Ser Lys Leu Glu Asn
1 5 10 15

Gln Glu Ile Thr Val Ile Ile Arg Asp Ile Trp Gly Gly Tyr Lys Tyr
20 25 30

Gln Asn Lys Lys Ile Lys Glu Met Lys Ile Val Val Ser Gly Glu Leu
35 40 45

Lys Ser Lys Ile Gln Arg Cys Glu Ala Asp Leu Ile Tyr Tyr Leu Thr
50 55 60

Cys Ile Leu Phe Ile Ala Gln Tyr Ser Val Phe
65 70 75

<210> 1050
<211> 43
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (11)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (34)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1050
Gly Lys Lys Ile Lys Lys Leu Ala Ser Ala Xaa Arg Gly Gly Ser Leu
1 5 10 15
Pro Val Ile Pro Ala Leu Ser Ala Ala Glu Ala Ser Gly Ser Leu Glu
20 25 30
Val Xaa Ser Ser Lys Thr Ser Leu Gly Gln Thr
35 40

<210> 1051
<211> 341
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (101)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1051
Gly Pro Gln Glu Met Thr Ala Gly Gly Gln Ala Glu Ala Glu Gly Ala
1 5 10 15
Gly Gly Glu Pro Gly Ala Ala Arg Leu Pro Ser Arg Val Ala Arg Leu
20 25 30
Leu Ser Ala Leu Phe Tyr Gly Thr Cys Ser Phe Leu Ile Val Leu Val
35 40 45
Asn Lys Ala Leu Leu Thr Thr Tyr Gly Phe Pro Ser Pro Ile Phe Leu
50 55 60
Gly Ile Gly Gln Met Ala Ala Thr Ile Met Ile Leu Tyr Val Ser Lys

65		70		75		80
Leu Asn Lys Ile Ile His Phe Pro Asp Phe Asp Lys Lys Ile Pro Val						
	85			90		95
Lys Leu Phe Pro Xaa Pro Leu Leu Tyr Val Gly Asn His Ile Ser Gly						
	100			105		110
Leu Ser Ser Thr Ser Lys Leu Ser Leu Pro Met Phe Thr Val Leu Arg						
	115			120		125
Lys Phe Thr Ile Pro Leu Thr Leu Leu Leu Glu Thr Ile Ile Leu Gly						
	130			135		140
Lys Gln Tyr Ser Leu Asn Ile Ile Leu Ser Val Phe Ala Ile Ile Leu						
	145			150		155
						160
Gly Ala Phe Ile Ala Ala Gly Ser Asp Leu Ala Phe Asn Leu Glu Gly						
	165			170		175
Tyr Ile Phe Val Phe Leu Asn Asp Ile Phe Thr Ala Ala Asn Gly Val						
	180			185		190
Tyr Thr Lys Gln Lys Met Asp Pro Lys Glu Leu Gly Lys Tyr Gly Val						
	195			200		205
Leu Phe Tyr Asn Ala Cys Phe Met Ile Ile Pro Thr Leu Ile Ile Ser						
	210			215		220
Val Ser Thr Gly Asp Leu Gln Gln Ala Thr Glu Phe Asn Gln Trp Lys						
	225			230		235
						240
Asn Val Val Phe Ile Leu Gln Phe Leu Leu Ser Cys Phe Leu Gly Phe						
	245			250		255
Leu Leu Met Tyr Ser Thr Val Leu Cys Ser Tyr Tyr Asn Ser Ala Leu						
	260			265		270
Thr Thr Ala Val Val Gly Ala Ile Lys Asn Val Ser Val Ala Tyr Ile						
	275			280		285
Gly Ile Leu Ile Gly Gly Asp Tyr Ile Phe Ser Leu Leu Asn Phe Val						
	290			295		300
Gly Leu Asn Ile Cys Met Ala Gly Gly Leu Arg Tyr Ser Phe Leu Thr						
	305			310		315
						320
Leu Ser Ser Gln Leu Lys Pro Lys Pro Val Gly Glu Glu Asn Ile Cys						
	325			330		335
Leu Asp Leu Lys Ser						

340

<210> 1052
<211> 85
<212> PRT
<213> Homo sapiens

<400> 1052
Pro Ala Ala Arg Ala Ala Thr Asp Ser Val Ser Ala Ile Phe Asp Lys
1 5 10 15
Gly Lys Lys Val Arg Glu Ser Phe Gln Ala Leu Gly Arg Ile Ile Phe
20 25 30
Phe Gln Asp Ala Val Phe Arg Thr Phe Val Ile Lys His Thr Ala Gln
35 40 45
Val Ile Thr Gly Ile Asp Ser Asp Ile Arg His Leu Ser Leu Ala Leu
50 55 60
Leu Lys Asn Gly Gly Asn Val Ile Ser Trp Ala Gly Val Gly Cys Asn
65 70 75 80
Pro Glu Val Pro Leu
85

<210> 1053
<211> 724
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (87)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (680)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1053
Val Asp Ser Glu Ser Ala Ser Val Val Gly Lys Arg Pro Pro Phe His
1 5 10 15
Gly Thr Pro Ser Thr Met Ser Ser Pro Ala Ser Thr Pro Ser Arg Arg
20 25 30

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Thr Ile Ser Gly Met Val Ile Arg Thr Ser Gln Leu Ile Pro Glu Met
305 310 315 320

Gln Glu Ala Phe Phe Gln Cys Gln Val Cys Ala His Thr Thr Arg Val
325 330 335

Glu Met Asp Arg Gly Arg Ile Ala Glu Pro Ser Val Cys Gly Arg Cys
340 345 350

His Thr Thr His Ser Met Ala Leu Ile His Asn Arg Ser Leu Phe Ser
355 360 365

Asp Lys Gln Met Ile Lys Leu Gln Glu Ser Pro Glu Asp Met Pro Ala
370 375 380

Gly Gln Thr Pro His Thr Val Ile Leu Phe Ala His Asn Asp Leu Val
385 390 395 400

Asp Lys Val Gln Pro Gly Asp Arg Val Asn Val Thr Gly Ile Tyr Arg
405 410 415

Ala Val Pro Ile Arg Val Asn Pro Arg Val Ser Asn Val Lys Ser Val
420 425 430

Tyr Lys Thr His Ile Asp Val Ile His Tyr Arg Lys Thr Asp Ala Lys
435 440 445

Arg Leu His Gly Leu Asp Glu Glu Ala Glu Gln Lys Leu Phe Ser Glu
450 455 460

Lys Arg Val Glu Leu Leu Lys Glu Leu Ser Arg Lys Pro Asp Ile Tyr
465 470 475 480

Glu Arg Leu Ala Ser Ala Leu Ala Pro Ser Ile Tyr Glu His Glu Asp
485 490 495

Ile Lys Lys Gly Ile Leu Leu Gln Leu Phe Gly Gly Thr Arg Lys Asp
500 505 510

Phe Ser His Thr Gly Arg Gly Lys Phe Arg Ala Glu Ile Asn Ile Leu
515 520 525

Leu Cys Gly Asp Pro Gly Thr Ser Lys Ser Gln Leu Leu Gln Tyr Val
530 535 540

Tyr Asn Leu Val Pro Arg Gly Gln Tyr Thr Ser Gly Lys Gly Ser Ser
545 550 555 560

Ala Val Gly Leu Thr Ala Tyr Val Met Lys Asp Pro Glu Thr Arg Gln
565 570 575

Leu Val Leu Gln Thr Gly Ala Leu Val Leu Ser Asp Asn Gly Ile Cys
 580 585 590
 Cys Ile Asp Glu Phe Asp Lys Met Asn Glu Ser Thr Arg Ser Val Leu
 595 600 605
 His Glu Val Met Glu Gln Gln Thr Leu Ser Ile Ala Lys Ala Gly Ile
 610 615 620
 Ile Cys Gln Leu Asn Ala Arg Thr Ser Val Leu Ala Ala Ala Asn Pro
 625 630 635 640
 Ile Glu Ser Gln Trp Asn Pro Lys Lys Thr Thr Ile Glu Asn Ile Gln
 645 650 655
 Leu Pro His Thr Leu Leu Ser Arg Phe Asp Leu Ile Phe Leu Met Leu
 660 665 670
 Asp Pro Gln Asp Glu Ala Tyr Xaa Gln Ala Ser Gly Ser Pro Pro Gly
 675 680 685
 Arg Thr Val Leu Pro Glu Arg Gly Ala Gly Arg Gly Gly Ala Pro Gly
 690 695 700
 His Gly Gly Ala Lys Gly Leu His Cys Leu Arg Ala Gln His His His
 705 710 715 720
 Ala Ala Ala Lys

<210> 1054

<211> 52

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (14)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (20)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1054

Leu Leu Cys Phe Tyr Glu Pro Arg Cys Ser Arg Lys Trp Xaa Gln Arg
 1 5 10 15

His Ala Ser Xaa Arg Ser Pro Tyr Pro Ala Phe Val Pro Ala Val Pro
 20 25 30

Lys Ser Leu Ala Arg Ile Leu His Leu Gly Lys Lys Val Leu Asn Ala
 35 40 45

Asn Val Thr Pro
 50

<210> 1055

<211> 221

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (205)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (207)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1055

Arg Arg Gly Phe Gly Gly Val Arg Ala Ser Glu Ala Cys Gly Leu Arg
 1 5 10 15

Arg Arg Ala Gly Phe Gly Gly Val Arg Ala Ser Gly Ala Met Gly Thr
 20 25 30

Pro Pro Gly Leu Gln Thr Asp Cys Glu Ala Leu Leu Ser Arg Phe Gln
 35 40 45

Glu Thr Asp Ser Val Arg Phe Glu Asp Phe Thr Glu Leu Trp Arg Asn
 50 55 60

Met Lys Phe Gly Thr Ile Phe Cys Gly Arg Met Arg Asn Leu Glu Lys
 65 70 75 80

Asn Met Phe Thr Lys Glu Ala Leu Ala Leu Ala Trp Arg Tyr Phe Leu
 85 90 95

Pro Pro Tyr Thr Phe Gln Ile Arg Val Gly Ala Leu Tyr Leu Leu Tyr
 100 105 110

Gly Leu Tyr Asn Thr Gln Leu Cys Gln Pro Lys Gln Lys Ile Arg Val
 115 120 125

Ala Leu Lys Asp Trp Asp Glu Val Leu Lys Phe Gln Gln Asp Leu Val
130 135 140

Asn Ala Gln His Phe Asp Ala Ala Tyr Ile Phe Arg Lys Leu Arg Leu
145 150 155 160

Asp Arg Ala Phe His Phe Thr Ala Met Pro Lys Leu Leu Ser Tyr Arg
165 170 175

Met Lys Lys Lys Ile His Arg Ala Glu Val Thr Glu Glu Phe Lys Asp
180 185 190

Pro Ser Asp Arg Val Met Lys Leu Ile Thr Ser Asp Xaa Leu Xaa Glu
195 200 205

Met Leu Asn Gly His Asp His Tyr Gln Asn Met Asn Met
210 215 220

<210> 1056
<211> 59
<212> PRT
<213> Homo sapiens

<400> 1056
Lys Ala Val Arg Ser Met Leu Leu Ser Ser Leu Arg Glu Asn Phe Leu
1 5 10 15

Asn Asn Thr Arg Lys Arg Lys Ile Gly Leu Phe Ser Leu Leu Val Leu
20 25 30

Ser Ile Leu Ser Ser Leu Gln Gly Arg Val Ala Lys Leu Trp Gly Leu
35 40 45

Asn Pro Glu Gly Gly Leu Ser Gly His Gln Thr
50 55

<210> 1057
<211> 193
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (192)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1057

Ser Leu Pro Trp Arg Val Pro Arg Ser Met Glu Thr Phe Asp Pro Thr
1 5 10 15

Glu Leu Pro Glu Leu Leu Lys Leu Tyr Tyr Arg Arg Leu Phe Pro Tyr
20 25 30

Ser Gln Tyr Tyr Arg Trp Leu Asn Tyr Gly Gly Val Ile Lys Asn Tyr
35 40 45

Phe Gln His Arg Glu Phe Ser Phe Thr Leu Lys Asp Asp Ile Tyr Ile
50 55 60

Arg Tyr Gln Ser Phe Asn Asn Gln Ser Asp Leu Glu Lys Glu Met Gln
65 70 75 80

Lys Met Asn Pro Tyr Lys Ile Asp Ile Gly Ala Val Tyr Ser His Arg
85 90 95

Pro Asn Gln His Asn Thr Val Lys Leu Gly Ala Phe Gln Ala Gln Glu
100 105 110

Lys Glu Leu Val Phe Asp Ile Asp Met Thr Asp Tyr Asp Asp Val Arg
115 120 125

Arg Cys Cys Ser Ser Ala Asp Ile Cys Pro Lys Cys Trp Thr Leu Met
130 135 140

Thr Met Ala Ile Arg Ile Ile Asp Arg Ala Leu Lys Glu Asp Phe Gly
145 150 155 160

Phe Lys His Arg Leu Trp Val Tyr Ser Gly Arg Arg Gly Val His Cys
165 170 175

Trp Val Cys Asp Glu Ser Val Arg Asn Cys Leu Leu Gln Tyr Val Xaa
180 185 190

Gly

<210> 1058

<211> 55

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (51)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1058

Asp Glu Asp Asn Glu Lys Glu Lys Arg Asp Ser Leu Gly Asn Glu Glu
1 5 10 15

Ser Val Asp Lys Thr Ala Cys Glu Cys Val Arg Ser Pro Arg Glu Ser
20 25 30

Leu Asp Asp Leu Phe Gln Ile Cys Ser Pro Cys Ala Ile Ala Ser Gly
35 40 45

Leu Arg Xaa Thr Trp Leu Asn
50 55

<210> 1059

<211> 205

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (128)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (205)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1059

Arg Val Ser Leu Val Val Thr Glu Thr Val Asp Ala Gly Leu Phe Gly
1 5 10 15

Glu Gly Ile Val Glu Ser Leu Ile His Ala Trp Glu His Leu Leu Leu
20 25 30

Gln Pro Lys Thr Lys Gly Glu Ser Ala Asn Cys Glu Lys Tyr Gly Lys
35 40 45

Val Ile Pro Ala Ser Ala Val Ile Phe Gly Met Ala Val Glu Cys Ala
50 55 60

Glu Ile Arg Arg His His Arg Val Gly Ile Lys Asp Ile Ala Gly Ile
65 70 75 80

His Leu Pro Thr Asn Val Lys Phe Gln Ser Pro Ala Tyr Ser Ser Val
85 90 95

Asp Thr Glu Glu Thr Ile Glu Pro Tyr Thr Thr Glu Lys Met Ser Arg

100 105 110
Val Pro Gly Gly Tyr Leu Ala Leu Thr Glu Cys Phe Glu Ile Met Xaa
115 120 125
Val Asp Phe Asn Asn Leu Gln Glu Leu Lys Ser Leu Ala Thr Lys Lys
130 135 140
Pro Gly Lys Ile Gly Ile Pro Val Ile Lys Glu Gly Ile Leu Asp Ala
145 150 155 160
Val Val Val Trp Phe Val Leu Gln Leu Asp Asp Glu His Ser Leu Ser
165 170 175
Thr Ser Pro Asn Glu Glu Thr Cys Trp Glu Gln Ala Val Tyr Pro Val
180 185 190
His Asp Leu Ala Asp Tyr Arg Ile Lys Arg Gly Asp Xaa
195 200 205

<210> 1060

<211> 92

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (72)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1060

Pro Val Lys Val Trp Glu Gly Leu Arg Glu Lys Arg Ser Val Phe Ser
1 5 10 15
Ser Gly Ser Gly Ser Cys Lys Leu His Leu Pro Gly Ala Leu Pro Leu
20 25 30
Leu Tyr Pro Phe Ala Val Cys Pro Pro Pro Pro Gly Ser Trp Ser Pro
35 40 45
Ser Cys Ser Asn Ser Phe Cys Ser Tyr Ser Arg Gly Leu Leu Gly Leu
50 55 60
Leu Ser Pro Val Arg Leu Gly Xaa Ala Leu Gly Ser Trp Val Ser Ser
65 70 75 80
Thr Asp His Ala Arg Pro Leu Arg Pro Gln Ile Ile
85 90

<210> 1061
 <211> 295
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (243)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (277)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 1061
 Ala Glu Ala Ile Pro Leu Ala Asp Gln Pro His Leu Leu Gln Pro Asn
 1 5 10 15
 Ala Arg Lys Glu Asp Leu Phe Gly Arg Pro Ser Gln Gly Leu Tyr Ser
 20 25 30
 Ser Ser Ala Ser Ser Gly Lys Cys Leu Met Glu Val Thr Val Asp Arg
 35 40 45
 Asn Cys Leu Glu Val Leu Pro Thr Lys Met Ser Tyr Ala Ala Asn Leu
 50 55 60
 Lys Asn Val Met Asn Met Gln Asn Arg Gln Lys Lys Glu Gly Glu Glu
 65 70 75 80
 Gln Pro Val Leu Pro Glu Glu Thr Glu Ser Ser Lys Pro Gly Pro Ser
 85 90 95
 Ala His Asp Leu Ala Ala Gln Leu Lys Ser Ser Leu Leu Ala Glu Ile
 100 105 110
 Gly Leu Thr Glu Ser Glu Gly Pro Pro Leu Thr Ser Phe Arg Pro Gln
 115 120 125
 Cys Ser Phe Met Gly Met Val Ile Ser His Asp Met Leu Leu Gly Arg
 130 135 140
 Trp Arg Leu Ser Leu Glu Leu Phe Gly Arg Val Phe Met Glu Asp Val
 145 150 155 160
 Gly Ala Glu Pro Gly Ser Ile Leu Thr Glu Leu Gly Gly Phe Glu Val
 165 170 175

Lys Glu Ser Lys Phe Arg Arg Glu Met Glu Lys Leu Arg Asn Gln Gln
180 185 190

Ser Arg Asp Leu Ser Leu Glu Val Asp Arg Asp Arg Asp Leu Leu Ile
195 200 205

Gln Gln Thr Met Arg Gln Leu Asn Asn His Phe Gly Arg Arg Cys Ala
210 215 220

Thr Thr Pro Met Ala Val His Arg Val Lys Val Thr Phe Lys Asp Glu
225 230 235 240

Pro Gly Xaa Gly Ser Gly Val Ala Arg Ser Phe Tyr Thr Ala Ile Ala
245 250 255

Gln Ala Phe Leu Ser Asn Glu Lys Leu Pro Asn Leu Glu Cys Ile Pro
260 265 270

Lys Lys Lys Phe Xaa Pro Pro Gln Lys Pro Lys Lys Lys Gly Pro Thr
275 280 285

Pro Asn His Gln Arg Val Phe
290 295

<210> 1062
<211> 35
<212> PRT
<213> Homo sapiens

<400> 1062
Gly Glu Glu His Ile Pro Gln Glu Ala Pro Gln Gly Ala Glu Thr Ala
1 5 10 15
Leu Ile Pro Ala Asp Ile Thr Glu Lys Gln Glu Ser Leu Phe Asn Phe
20 25 30
Val Thr Met
35

<210> 1063
<211> 210
<212> PRT
<213> Homo sapiens

<400> 1063
Gln Tyr Phe Met Thr Met Asp Gly Asp Ser Ser Thr Thr Asp Ala Ser
1 5 10 15

Gln Leu Gly Ile Ser Ala Asp Tyr Ile Gly Gly Ser His Tyr Val Ile
20 25 30

Gln Pro His Asp Asp Thr Glu Asp Ser Met Asn Asp His Glu Asp Thr
35 40 45

Asn Gly Ser Lys Glu Ser Phe Arg Glu Gln Asp Ile Tyr Leu Pro Ile
50 55 60

Ala Asn Val Ala Arg Ile Met Lys Asn Ala Ile Pro Gln Thr Gly Lys
65 70 75 80

Ile Ala Lys Asp Ala Lys Glu Cys Val Gln Glu Cys Val Ser Glu Phe
85 90 95

Ile Ser Phe Ile Thr Ser Glu Ala Ser Glu Arg Cys His Gln Glu Lys
100 105 110

Arg Lys Thr Ile Asn Gly Glu Asp Ile Leu Phe Ala Met Ser Thr Leu
115 120 125

Gly Phe Asp Ser Tyr Val Glu Pro Leu Lys Leu Tyr Leu Gln Lys Phe
130 135 140

Arg Glu Ala Met Lys Gly Glu Lys Gly Ile Gly Gly Ala Val Thr Ala
145 150 155 160

Thr Asp Gly Leu Ser Glu Glu Leu Thr Glu Glu Ala Phe Thr Asn Gln
165 170 175

Leu Pro Ala Gly Leu Ile Thr Thr Asp Gly Gln Gln Gln Asn Val Met
180 185 190

Val Tyr Thr Thr Ser Tyr Gln Gln Ile Ser Gly Val Gln Gln Ile Gln
195 200 205

Phe Ser
210

<210> 1064

<211> 332

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (216)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (315)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (326)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1064

Leu Arg Pro Ser Val Tyr Pro Val Ala Ser Ser Leu Pro Val Pro Asp
1 5 10 15

Leu Ile Leu Arg Gln Arg Leu Leu Gln Asp Pro Val Ala Arg Pro Gln
20 25 30

Ala Met Ala Gly Pro Phe Ser Arg Leu Leu Ser Ala Arg Pro Gly Leu
35 40 45

Arg Leu Leu Ala Leu Ala Gly Ala Gly Ser Leu Ala Ala Gly Phe Leu
50 55 60

Leu Arg Pro Glu Pro Val Arg Ala Ala Ser Glu Arg Arg Arg Leu Tyr
65 70 75 80

Pro Pro Ser Ala Glu Tyr Pro Asp Leu Arg Lys His Asn Asn Cys Met
85 90 95

Ala Ser His Leu Thr Pro Ala Val Tyr Ala Arg Leu Cys Asp Lys Thr
100 105 110

Thr Pro Thr Gly Trp Thr Leu Asp Gln Cys Ile Gln Thr Gly Val Asp
115 120 125

Asn Pro Gly His Pro Phe Ile Lys Thr Val Gly Met Val Ala Gly Asp
130 135 140

Glu Glu Thr Tyr Glu Val Phe Ala Asp Leu Phe Asp Pro Val Ile Gln
145 150 155 160

Glu Arg His Asn Gly Tyr Asp Pro Arg Thr Met Lys His Thr Thr Asp
165 170 175

Leu Asp Ala Ser Lys Ile Arg Ser Gly Tyr Phe Asp Glu Arg Tyr Val
180 185 190

Leu Ser Ser Arg Val Arg Thr Gly Arg Ser Ile Arg Gly Leu Ser Leu
195 200 205

Pro Pro Ala Cys Thr Arg Ala Xaa Arg Arg Glu Val Glu Arg Val Val
210 215 220

Val Asp Ala Leu Ser Gly Leu Lys Gly Asp Leu Ala Gly Arg Tyr Tyr
225 230 235 240

Arg Leu Ser Glu Met Thr Glu Ala Glu Gln Gln Gln Leu Ile Asp Asp
245 250 255

His Phe Leu Phe Asp Lys Pro Val Ser Pro Leu Leu Thr Ala Ala Gly
260 265 270

Met Ala Arg Asp Trp Pro Asp Ala Arg Gly Ile Trp His Asn Asn Glu
275 280 285

Lys Ser Phe Leu Ile Trp Val Asn Glu Glu Asp His Thr Arg Val Ile
290 295 300

Ser Met Glu Lys Gly Gly Asn Met Lys Arg Xaa Phe Glu Arg Ser Ala
305 310 315 320

Glu Ala Ser Lys Arg Xaa Arg Asp Tyr Val Gly Asp
325 330

<210> 1065

<211> 241

<212> PRT

<213> Homo sapiens

<400> 1065

Ser Phe Phe Phe Lys Val Ser Arg Ser Glu Ala Ser His Arg Met Ile
1 5 10 15

Leu Leu Asn Asn Ser His Lys Leu Leu Ala Leu Tyr Lys Ser Leu Ala
20 25 30

Arg Ser Ile Pro Glu Ser Leu Lys Val Tyr Gly Ser Val Tyr His Ile
35 40 45

Asn His Gly Asn Pro Phe Asn Met Glu Val Leu Val Asp Ser Trp Pro
50 55 60

Glu Tyr Gln Met Val Ile Ile Arg Pro Gln Lys Gln Glu Met Thr Asp
65 70 75 80

Asp Met Asp Ser Tyr Thr Asn Val Tyr Arg Met Phe Ser Lys Glu Pro
85 90 95

Gln Lys Ser Glu Glu Val Leu Lys Asn Cys Glu Ile Val Asn Trp Lys

100					105					110					
Gln	Arg	Leu	Gln	Ile	Gln	Gly	Leu	Gln	Glu	Ser	Leu	Gly	Glu	Gly	Ile
		115					120					125			
Arg	Val	Ala	Thr	Phe	Ser	Lys	Ser	Val	Lys	Val	Glu	His	Ser	Arg	Ala
		130				135					140				
Leu	Leu	Leu	Val	Thr	Glu	Asp	Ile	Leu	Lys	Leu	Asn	Ala	Ser	Ser	Lys
145					150					155					160
Ser	Lys	Leu	Gly	Ser	Trp	Ala	Glu	Thr	Gly	His	Pro	Asp	Asp	Glu	Phe
			165						170					175	
Glu	Ser	Glu	Thr	Pro	Asn	Phe	Lys	Tyr	Ala	Gln	Leu	Asp	Val	Ser	Tyr
			180					185					190		
Ser	Gly	Leu	Val	Asn	Asp	Asn	Trp	Lys	Arg	Gly	Lys	Asn	Glu	Arg	Ser
		195					200					205			
Leu	His	Tyr	Ile	Lys	Arg	Cys	Ile	Glu	Asp	Leu	Pro	Ala	Ala	Cys	Met
		210				215					220				
Leu	Gly	Pro	Glu	Glu	Ile	Pro	Val	Ser	Trp	Val	Thr	Met	Gly	Pro	Phe
225					230					235					240

Leu

<210> 1066

<211> 142

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (7)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (130)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1066

Glu	Val	Leu	Arg	Asp	Cys	Xaa	Ser	Pro	Asn	Ser	Ile	Ser	Ile	Met	Gly
1					5					10				15	

Leu Asn Thr Ser Arg Val Ala Ile Thr Leu Lys Pro Gln Asp Pro Met

<210> 1068
<211> 59
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (23)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1068
Leu Leu Tyr Gln Ser Ile Glu Asp Ser Ser Tyr Leu Leu Pro Val Ala
1 5 10 15
Gln Phe Arg Phe Trp Glu Xaa Ala Glu Gln Val Lys His Arg Lys Leu
20 25 30
Lys Arg Arg Asn Pro His Phe Gly Pro Ile Phe Leu Leu Asp Tyr Phe
35 40 45
Leu Ile Ser Ile Leu Pro Ile Val Leu Met Phe
50 55

<210> 1069
<211> 55
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (19)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1069
Cys Leu Ala Val Arg Arg His Glu Leu Arg Thr Val His His Gly Ser
1 5 10 15
Glu Arg Xaa Arg Asn Pro Ser Pro Ile Arg Thr Met Thr Asp Ile Leu
20 25 30
Ser Arg Gly Pro Lys Ser Met Ile Ser Leu Ala Gly Gly Leu Pro Asn
35 40 45
Pro Asn Met Phe Pro Phe Lys
50 55

<210> 1070
 <211> 369
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (27)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (29)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (36)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (41)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (293)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 1070
 Asp Arg Ser Phe Leu Glu Asp Thr Thr Pro Ala Arg Asp Glu Lys Lys
 1 5 10 15
 Val Gly Ala Lys Ala Ala Gln Gln Asp Ser Xaa Ser Xaa Gly Glu Ala
 20 25 30
 Leu Gly Gly Xaa Pro Met Val Ala Xaa Phe Gln Asp Asp Val Asp Leu
 35 40 45
 Glu Asp Gln Pro Arg Gly Ser Pro Pro Leu Pro Ala Gly Pro Val Pro
 50 55 60
 Ser Gln Asp Ile Thr Leu Ser Ser Glu Glu Glu Ala Glu Val Ala Ala
 65 70 75 80
 Pro Thr Lys Gly Pro Ala Pro Ala Pro Gln Gln Cys Ser Glu Pro Glu
 85 90 95

Thr Lys Trp Ser Ser Ile Pro Ala Ser Lys Pro Arg Arg Gly Thr Ala
100 105 110

Pro Thr Arg Thr Ala Ala Pro Pro Trp Pro Gly Gly Val Ser Val Arg
115 120 125

Thr Gly Pro Glu Lys Arg Ser Ser Thr Arg Pro Pro Ala Glu Met Glu
130 135 140

Pro Gly Lys Gly Glu Gln Ala Ser Ser Ser Glu Ser Asp Pro Glu Gly
145 150 155 160

Pro Ile Ala Ala Gln Met Leu Ser Phe Val Met Asp Asp Pro Asp Phe
165 170 175

Glu Ser Glu Gly Ser Asp Thr Gln Arg Arg Ala Asp Asp Phe Pro Val
180 185 190

Arg Asp Asp Pro Ser Asp Val Thr Asp Glu Asp Glu Gly Pro Ala Glu
195 200 205

Pro Pro Pro Pro Pro Lys Leu Pro Leu Pro Ala Phe Arg Leu Lys Asn
210 215 220

Asp Ser Asp Leu Phe Gly Leu Gly Leu Glu Glu Ala Gly Pro Lys Glu
225 230 235 240

Ser Ser Glu Glu Gly Lys Glu Gly Lys Thr Pro Ser Lys Glu Lys Lys
245 250 255

Lys Lys Lys Lys Lys Gly Lys Glu Glu Glu Glu Lys Ala Ala Lys Lys
260 265 270

Lys Ser Lys His Lys Lys Ser Lys Asp Lys Glu Glu Gly Lys Glu Glu
275 280 285

Arg Arg Arg Arg Xaa Gln Arg Pro Pro Arg Ser Arg Glu Arg Thr Ala
290 295 300

Ala Asp Glu Leu Glu Ala Phe Leu Gly Gly Gly Ala Arg Ala Ala Ala
305 310 315 320

Thr Leu Gly Val Ala Thr Thr Arg Ser Ser Arg Pro Ala Trp Ala Val
325 330 335

Ala Ala Leu Gly Arg Gly Ala Cys Leu Ser Leu Pro Gly Glu Ala Phe
340 345 350

Ala Ser Val Pro Ser Pro Leu Pro Leu Pro Arg Gly Cys Arg Val Arg
355 360 365

Phe

<210> 1071
 <211> 209
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (179)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (180)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (189)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (202)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (208)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 1071
 Glu Arg Leu Tyr Pro Ala Val Val Val Gly Gly Arg Ala Val Glu Gln
 1 5 10 15
 Gln His Arg Arg Gly Ser Arg Glu Ala Gly Ser Ala Arg Ala Glu Met
 20 25 30
 Trp Asn Leu Leu His Glu Thr Asp Ser Ala Val Ala Thr Ala Arg Arg
 35 40 45
 Pro Arg Trp Leu Cys Ala Gly Ala Leu Val Leu Ala Gly Gly Phe Phe
 50 55 60
 Leu Leu Gly Phe Leu Phe Gly Trp Phe Ile Lys Ser Ser Asn Glu Ala
 65 70 75 80

Thr Asn Ile Thr Pro Lys His Asn Met Lys Ala Phe Leu Asp Glu Leu
85 90 95

Lys Ala Glu Asn Ile Lys Lys Phe Leu Tyr Asn Phe Thr Gln Ile Pro
100 105 110

His Leu Ala Gly Thr Glu Gln Asn Phe Gln Leu Ala Lys Gln Ile Gln
115 120 125

Ser Gln Trp Lys Glu Phe Gly Leu Asp Ser Val Glu Leu Ala His Tyr
130 135 140

Asp Val Leu Leu Ser Tyr Pro Asn Lys Thr His Pro Asn Tyr Ile Ser
145 150 155 160

Ile Ile Asn Glu Asp Gly Asn Glu Ile Phe Asn Thr Ser Leu Phe Glu
165 170 175

Pro Pro Xaa Xaa Gly Tyr Glu Asn Gly Ser Asp Ile Xaa Pro Pro Phe
180 185 190

Ser Ala Phe Ser Pro Gln Gly Met Pro Xaa Gly Asp Leu Val Tyr Xaa
195 200 205

Asn

<210> 1072

<211> 135

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (87)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (94)

<223> xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

 $\langle 222 \rangle \quad (113)$

<223> xaa equals any of the naturally occurring L-amino acids

<400> 1072

Leu Gln Gly Leu Leu Ile Asn Pro Leu Thr Leu Ser Pro Ser Asn Thr

1	5	10	15
Val Ser Gln Ser Leu Phe Phe Trp Leu Gly Phe Tyr Ile Lys Leu Ser	20	25	30
Ile Leu Ser Asn Asp Leu Ser Leu Leu Pro Phe Leu Leu His Ile Pro	35	40	45
Ile Lys Thr Phe Phe Val Phe Asn Ser Cys His Leu Asp Ser Arg Thr	50	55	60
Ser Ser Ile Pro His Val Cys Ser Leu Leu Cys Gln Pro Arg Pro Phe	65	70	75
Leu Tyr Pro Pro Ala Trp Xaa Cys Cys Pro Leu Cys Ser Xaa Leu Thr	85	90	95
Arg Tyr Lys Glu His Glu Asp Gly Tyr Met Arg Leu Gln Leu Val Arg	100	105	110
Xaa Glu Ser Val Glu Leu Thr Gln Gln Leu Leu Arg Gln Pro Gln Glu	115	120	125
Gly Ser Gly Trp Glu Arg Arg	130	135	

<210> 1073
 <211> 135
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (48)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (127)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 1073
 Pro Ser Asp Val Asn Val Met Ala Glu Ser Leu Lys Asp Met Glu Ala
 1 5 10 15
 Asp Ala Gln Lys Leu Tyr Gln Leu Ile Trp Arg Gln Phe Val Ala Cys
 20 25 30
 Gln Met Thr Pro Ala Lys Tyr Asp Ser Thr Thr Leu Thr Val Gly Xaa

35	40	45
Gly Asp Phe Arg Leu Lys Ala Arg Gly Arg Ile Leu Arg Phe Asp Gly		
50	55	60
Trp Thr Lys Val Met Pro Ala Leu Arg Lys Gly Asp Glu Asp Arg Ile		
65	70	75 80
Leu Pro Ala Val Asn Lys Gly Asp Ala Leu Thr Leu Val Glu Leu Thr		
85	90	95
Pro Ala Gln His Phe Thr Lys Pro Pro Ala Arg Phe Ser Glu Ala Ser		
100	105	110
Leu Val Lys Glu Leu Glu Lys Arg Gly Ile Gly Arg Pro Ser Xaa Tyr		
115	120	125
Ala Ser Ile Ile Ser Thr Ile		
130	135	

<210> 1074

<211> 410

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (14)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (21)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (177)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (248)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (300)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (372)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1074

Arg	Asn	Lys	Arg	Glu	Glu	Lys	Lys	Ala	Gln	Asn	Ser	Glu	Xaa	Arg	Met
1				5					10					15	

Lys	Arg	Ala	Gln	Xaa	Tyr	Asp	Ser	Ser	Phe	Pro	Asn	Trp	Glu	Phe	Ala
		20					25						30		

Arg	Met	Ile	Lys	Glu	Phe	Arg	Ala	Thr	Leu	Glu	Cys	His	Pro	Leu	Thr
	35						40					45			

Met	Thr	Asp	Pro	Ile	Glu	Glu	His	Arg	Ile	Cys	Val	Cys	Val	Arg	Lys
	50					55					60				

Arg	Pro	Leu	Asn	Lys	Gln	Glu	Leu	Ala	Lys	Lys	Glu	Ile	Asp	Val	Ile
	65				70					75					80

Ser	Ile	Pro	Ser	Lys	Cys	Leu	Leu	Leu	Val	His	Glu	Pro	Lys	Leu	Lys
				85					90					95	

Val	Asp	Leu	Thr	Lys	Tyr	Leu	Glu	Asn	Gln	Ala	Phe	Cys	Phe	Asp	Phe
		100						105					110		

Ala	Phe	Asp	Glu	Thr	Ala	Ser	Asn	Glu	Val	Val	Tyr	Arg	Phe	Thr	Ala
		115					120					125			

Arg	Pro	Leu	Val	Gln	Thr	Ile	Phe	Glu	Gly	Gly	Lys	Ala	Thr	Cys	Phe
	130					135					140				

Ala	Tyr	Gly	Gln	Thr	Gly	Ser	Gly	Lys	Thr	His	Thr	Met	Gly	Gly	Asp
145					150					155					160

Leu	Ser	Gly	Lys	Ala	Gln	Asn	Ala	Ser	Lys	Gly	Ile	Tyr	Ala	Met	Ala
			165						170					175	

Xaa	Arg	Asp	Val	Phe	Leu	Leu	Lys	Asn	Gln	Pro	Cys	Tyr	Arg	Lys	Leu
		180						185					190		

Gly	Leu	Glu	Val	Tyr	Val	Thr	Phe	Phe	Glu	Ile	Tyr	Asn	Gly	Lys	Leu
	195						200						205		

Phe	Asp	Leu	Leu	Asn	Lys	Lys	Ala	Lys	Leu	Arg	Val	Leu	Glu	Asp	Gly
	210					215					220				

Lys	Gln	Gln	Val	Gln	Val	Val	Gly	Leu	Gln	Glu	His	Leu	Val	Asn	Ser
225					230					235				240	

Ala Asp Asp Val Ile Lys Met Xaa Asp Met Gly Ser Ala Cys Arg Thr
245 250 255

Ser Gly Gln Thr Phe Ala Asn Ser Asn Ser Ser Arg Ser His Ala Cys
260 265 270

Phe Gln Ile Ile Leu Arg Ala Lys Gly Arg Met His Gly Lys Phe Ser
275 280 285

Leu Val Asp Leu Ala Gly Asn Glu Arg Gly Ala Xaa Thr Ser Ser Ala
290 295 300

Asp Arg Gln Thr Arg Met Glu Gly Ala Glu Ile Asn Lys Ser Leu Leu
305 310 315 320

Ala Leu Lys Glu Cys Ile Arg Ala Leu Gly Gln Asn Lys Ala His Thr
325 330 335

Pro Phe Arg Glu Ser Lys Leu Thr Gln Val Leu Arg Asp Ser Phe Ile
340 345 350

Gly Glu Asn Ser Arg Thr Cys Met Ile Ala Thr Ile Ser Pro Gly Ile
355 360 365

Ser Ser Cys Xaa Ile Tyr Phe Lys His Pro Glu Ile Cys Arg Gln Gly
370 375 380

Gln Gly Ala Glu Pro Pro Gln Trp Ala Gln Trp Arg Ala Val Asp Ser
385 390 395 400

Asn Gly Asn Arg Arg Asp Gly Ser Leu Leu
405 410

<210> 1075

<211> 196

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (83)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (167)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1075

Leu Pro Phe Phe Arg Leu Ser Phe Ala Phe Val Leu Arg Gly Phe Arg
1 5 10 15
Asn Thr Ala Gln Asn Tyr Arg Glu Asn Thr Pro Ala Arg Ala Leu Ser
20 25 30
Arg Thr Arg Cys Ala Ala Ser Val Trp Leu Ala Ser Ser Ser Gln Phe
35 40 45
Pro Thr His Arg Leu Arg Ser Ser Asn Ser His Asp Ile Cys Ser Thr
50 55 60
Arg Arg Arg Ile Arg Cys Arg Val Leu Ala Arg Pro Phe Ser Ser Ala
65 70 75 80
Cys Cys Xaa His Arg Cys Val Thr Arg Asn Arg Arg Ala Glu Gln His
85 90 95
Asp Val Arg Phe Gly Glu Leu His Gln Pro Tyr Pro Gln Ala Gly Ala
100 105 110
Ala Gly Val Ser Arg Gly Arg Gly Glu Ala Ala Val Gly Asp Arg Trp
115 120 125
Glu Val Gly Arg Pro Gly Leu Gly Gly Ile Leu Gly Ala Gly Glu Glu
130 135 140
Met Arg Ala Pro Glu Arg Pro Arg Val Arg Arg Arg Arg Leu Glu Pro
145 150 155 160
Ser Arg Cys Cys Gly Pro Xaa Gly Pro Phe His Phe Ala Cys Lys Thr
165 170 175
Gln Ile Lys Thr Gln Cys Asp Tyr Ser Glu Leu Phe Cys Leu Lys Lys
180 185 190
Asn Val Arg Ser
195

<210> 1076

<211> 31

<212> PRT

<213> Homo sapiens

<400> 1076

Gln Leu Thr Leu Asn Ile Ser Leu Leu Leu Ser Leu Ser Leu Ser Phe
1 5 10 15

Phe Phe Asn Met Val Lys Leu Asp Gln Gly Ser Glu His Arg Phe
 20 25 30

<210> 1077

<211> 87

<212> PRT

<213> Homo sapiens

<400> 1077

Asn Cys Pro Asn Pro His Leu His Lys Asn Leu Ser Pro Val His Lys
 1 5 10 15

Ala Asp His Glu Ala Ile Ile Phe Leu Glu Gly Phe Leu Ala Cys Ser
 20 25 30

Pro Val Ala Ser Ala Ala Leu Ala Leu Cys His Ser Glu Pro Lys Gly
 35 40 45

Lys Val Met Glu Gln His His Ile Cys Arg Leu Ser Val Leu Phe Gly
 50 55 60

Glu Gly Lys Gly Arg Glu Cys Arg Arg Met Lys Lys Phe Leu Pro Thr
 65 70 75 80

Ala Ser Ile Leu Ile Phe Leu
 85

<210> 1078

<211> 85

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (65)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (78)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1078

Pro Asp Gln Gly Gly Asp Glu Gly Ile Leu Ser Ser Arg Thr Cys Arg
 1 5 10 15

Gly Thr Arg Gln Gly Pro His Pro Arg Gly Asp Pro Val Ala Arg His

20 25 30
Ile Met Gly Thr Ala Gly Trp Pro Gln Ala Ser Ala Pro Leu Leu Pro
35 40 45
Cys Arg Gln Gly Leu Leu Glu Pro Cys Ala His Pro Gly Leu Leu Arg
50 55 60
Xaa Gln Pro Cys Thr Glu Ser Ala Asp Val Pro Cys Leu Xaa Thr Arg
65 70 75 80
Pro Leu Cys Pro Leu
85

<210> 1079

<211> 594

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (430)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1079

Cys Cys Leu Arg Phe Ser Phe Thr Phe Thr Glu Met Ser Tyr Gly Glu
1 5 10 15
Ile Glu Gly Lys Phe Leu Gly Pro Arg Glu Glu Val Thr Ser Glu Pro
20 25 30
Arg Cys Lys Lys Leu Lys Ser Thr Thr Glu Ser Tyr Val Phe His Asn
35 40 45
His Ser Asn Ala Asp Phe His Arg Ile Gln Glu Lys Thr Gly Asn Asp
50 55 60
Trp Val Pro Val Thr Ile Ile Asp Val Arg Gly His Ser Tyr Leu Gln
65 70 75 80
Glu Asn Lys Ile Lys Thr Thr Asp Leu His Arg Pro Leu His Asp Glu
85 90 95
Met Pro Gly Asn Arg Pro Asp Val Ile Glu Ser Ile Asp Ser Gln Val
100 105 110
Leu Gln Glu Ala Arg Pro Pro Leu Val Ser Ala Asp Asp Glu Ile Tyr
115 120 125

Ser Thr Ser Lys Ala Phe Ile Gly Pro Ile Tyr Lys Pro Pro Glu Lys
130 135 140

Lys Lys Arg Asn Glu Gly Arg Asn Glu Ala His Val Leu Asn Gly Ile
145 150 155 160

Asn Asp Arg Gly Gly Gln Lys Glu Lys Gln Lys Phe Asn Ser Glu Lys
165 170 175

Ser Glu Ile Asp Asn Glu Leu Phe Gln Phe Tyr Lys Glu Ile Glu Glu
180 185 190

Leu Glu Lys Glu Lys Asp Gly Phe Glu Asn Ser Cys Lys Glu Ser Glu
195 200 205

Pro Ser Gln Glu Gln Phe Val Pro Phe Tyr Glu Gly His Asn Asn Gly
210 215 220

Leu Leu Lys Pro Asp Glu Glu Lys Lys Asp Leu Ser Asn Lys Ala Met
225 230 235 240

Pro Ser His Cys Asp Tyr Gln Gln Asn Leu Gly Asn Glu Pro Asp Lys
245 250 255

Tyr Pro Cys Asn Gly Gln Val Ile Pro Thr Phe Cys Asp Thr Ser Phe
260 265 270

Thr Ser Phe Arg Pro Glu Trp Gln Ser Val Tyr Pro Phe Ile Val Pro
275 280 285

Tyr Gly Pro Pro Leu Pro Ser Leu Asn Tyr His Leu Asn Ile Gln Arg
290 295 300

Phe Ser Gly Pro Pro Asn Pro Pro Ser Asn Ile Phe Gln Ala Gln Asp
305 310 315 320

Asp Ser Gln Ile Gln Asn Gly Tyr Tyr Val Asn Asn Cys His Val Asn
325 330 335

Trp Asn Cys Met Thr Phe Asp Gln Asn Asn Glu Tyr Thr Asp Cys Ser
340 345 350

Glu Asn Arg Ser Ser Val His Pro Ser Gly Asn Gly Cys Ser Met Gln
355 360 365

Asp Arg Tyr Val Ser Asn Gly Phe Cys Glu Val Arg Glu Arg Cys Trp
370 375 380

Lys Asp His Cys Met Asp Lys His Asn Gly Thr Asp Arg Phe Val Asn
385 390 395 400

Gln Gln Phe Gln Glu Glu Lys Leu Asn Lys Leu Gln Lys Leu Leu Ile
405 410 415

Leu Leu Arg Gly Leu Pro Gly Ser Gly Lys Thr Thr Leu Xaa Arg Ile
420 425 430

Leu Leu Gly Gln Asn Arg Asp Gly Ile Val Phe Ser Thr Asp Asp Tyr
435 440 445

Phe His His Gln Asp Gly Tyr Arg Tyr Asn Val Asn Gln Leu Gly Asp
450 455 460

Ala His Asp Trp Asn Gln Asn Arg Ala Lys Gln Ala Ile Asp Gln Gly
465 470 475 480

Arg Ser Pro Val Ile Ile Asp Asn Thr Asn Ile Gln Ala Trp Glu Met
485 490 495

Lys Pro Tyr Val Glu Val Ala Ile Gly Lys Gly Tyr Arg Val Glu Phe
500 505 510

His Glu Pro Glu Thr Trp Trp Lys Phe Asp Pro Glu Glu Leu Glu Lys
515 520 525

Arg Asn Lys His Gly Val Ser Arg Lys Lys Ile Ala Gln Met Leu Asp
530 535 540

Arg Tyr Glu Tyr Gln Met Ser Ile Ser Ile Val Met Asn Ser Val Glu
545 550 555 560

Pro Ser His Lys Ser Thr Gln Arg Pro Pro Pro Pro Gln Gly Arg Gln
565 570 575

Arg Trp Gly Gly Ser Leu Gly Ser His Asn Arg Val Cys Val Thr Asn
580 585 590

Asn His

<210> 1080

<211> 61

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (52)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (55)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (59)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1080

Leu His Ile Lys Ile Leu Gln Ile Glu Lys Tyr Ile Lys Tyr Ala Met
1 5 10 15

Gly Leu Thr Phe Tyr Gln Asn Ser His Met Ile Ser Phe Ile Ser Ser
20 25 30

Gly Ser Phe Arg Val Pro Ile Ala Leu Pro Ile Phe Thr Tyr Phe Ile
35 40 45

Asn Leu His Xaa Gly Ile Xaa Ser Leu Phe Xaa Phe Phe
50 55 60

<210> 1081

<211> 302

<212> PRT

<213> Homo sapiens

<400> 1081

Ala Pro Pro Ala Leu Leu Glu Ala Glu Val Cys Leu Leu Arg Val Gly
1 5 10 15

Pro Glu Ala Trp Ser Phe Ser Ala Ser Leu Thr Pro Val Ala Leu Gly
20 25 30

Ser Ala Leu Ala Tyr Arg Ser His Gly Val Leu Asp Pro Arg Leu Leu
35 40 45

Val Gly Cys Ala Val Ala Val Leu Ala Val His Gly Ala Gly Asn Leu
50 55 60

Val Asn Thr Tyr Tyr Asp Phe Ser Lys Gly Ile Asp His Lys Lys Ser
65 70 75 80

Asp Asp Arg Thr Leu Val Asp Arg Ile Leu Glu Pro Gln Asp Val Val
85 90 95

Arg Phe Gly Val Phe Leu Tyr Thr Leu Gly Cys Val Cys Ala Ala Cys
100 105 110

Leu Tyr Tyr Leu Ser Pro Leu Lys Leu Glu His Leu Ala Leu Ile Tyr
115 120 125

Phe Gly Gly Leu Ser Gly Ser Phe Leu Tyr Thr Gly Gly Ile Gly Phe
130 135 140

Lys Tyr Val Ala Leu Gly Asp Leu Ile Ile Leu Ile Thr Phe Gly Pro
145 150 155 160

Leu Ala Val Met Phe Ala Tyr Ala Ile Gln Val Gly Ser Leu Ala Ile
165 170 175

Phe Pro Leu Val Tyr Ala Ile Pro Leu Ala Leu Ser Thr Glu Ala Ile
180 185 190

Leu His Ser Asn Asn Thr Arg Asp Met Glu Ser Asp Arg Glu Ala Gly
195 200 205

Ile Val Thr Leu Ala Ile Leu Ile Gly Pro Thr Phe Ser Tyr Ile Leu
210 215 220

Tyr Asn Thr Leu Leu Phe Leu Pro Tyr Leu Val Phe Ser Ile Leu Ala
225 230 235 240

Thr His Cys Thr Ile Ser Leu Ala Leu Pro Leu Leu Thr Ile Pro Met
245 250 255

Ala Phe Ser Leu Glu Arg Gln Phe Arg Ser Gln Ala Phe Asn Lys Leu
260 265 270

Pro Gln Arg Thr Ala Lys Leu Asn Leu Leu Leu Gly Leu Phe Tyr Val
275 280 285

Phe Gly Ile Ile Leu Ala Pro Ala Gly Ser Leu Pro Lys Ile
290 295 300

<210> 1082

<211> 68

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (9)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (58)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (60)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1082

Gln Asp Val Ser Glu Met Asp Val Xaa Phe Leu Leu Ile Gln Leu Ser
1 5 10 15

Cys Tyr Phe Ser Ser Gly Ser Cys Gly Lys Val Leu Val Trp Pro Thr
20 25 30

Glu Tyr Ser His Trp Ile Asn Met Lys Thr Ile Leu Glu Glu Leu Val
35 40 45

Gln Arg Gly His Glu Val Thr Val Val Xaa Ile Xaa Gly Phe Tyr Ser
50 55 60

Cys Gln Cys Gln
65

<210> 1083

<211> 85

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (1)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1083

Xaa Pro Pro Gly Gly Gly Arg Ser Arg Thr Ser Gly Ser Pro Gly Leu
1 5 10 15

Gln Val Arg Ala Ile Arg Leu Ala Leu Glu Gly Val Asp Val Lys Leu
20 25 30

Glu Gln Ala Ala Arg Thr Leu Gly Ala Gly Arg Trp Arg Val Phe Phe
35 40 45

Thr Ile Thr Leu Pro Leu Thr Leu Pro Gly Ile Ile Val Gly Thr Val
50 55 60

Leu Ala Phe Ala Arg Ser Leu Gly Glu Phe Gly Ala His His Leu Cys
65 70 75 80

Val Glu His Ser Trp
85

<210> 1084

<211> 166

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (116)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (130)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (131)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (146)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (159)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (163)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1084

Pro Pro Ser Ala Ser Ser Val Ala Gly Asp Leu Gly Arg Gly Thr Arg
1 5 10 15

Thr Glu Val Glu Ala Arg Ala Ala Arg Pro Gly Ala Glu Ser Ala Pro
20 25 30

Ala Ala Ala Met Pro Asp Ser Trp Asp Lys Asp Val Tyr Pro Glu Pro
35 40 45

Pro Arg Arg Thr Pro Val Gln Pro Asn Pro Ile Val Tyr Met Met Lys
50 55 60

Ala Phe Asp Leu Ile Val Asp Arg Pro Val Thr Leu Val Arg Glu Phe
65 70 75 80

Ile Glu Arg Gln His Ala Lys Asn Arg Tyr Tyr Tyr Tyr His Arg Gln
85 90 95

Tyr Arg Arg Val Pro Asp Ile Thr Glu Cys Lys Glu Glu Asp Ile Met
100 105 110

Cys Ile Lys Xaa Asp Gln Glu Ile Ile Thr Leu Cys Arg Ile Gly Ser
115 120 125

Lys Xaa Xaa Ser Arg Gly Lys Asp Arg Leu Pro Ala Asp Cys Ile Lys
130 135 140

Glu Xaa Glu Gln Leu Pro Arg Trp Pro Arg Leu Pro Gly Thr Xaa Ile
145 150 155 160

Arg Thr Xaa Gly Pro Thr
165

<210> 1085

<211> 392

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (386)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1085

Met Glu Leu Val Ala Gly Cys Tyr Glu Gln Val Leu Phe Gly Phe Ala
1 5 10 15

Val His Pro Glu Pro Glu Ala Cys Gly Asp His Glu Gln Trp Thr Leu
20 25 30

Val Ala Asp Phe Thr His His Ala His Thr Ala Ser Leu Ser Ala Val
35 40 45

Ala Val Asn Ser Arg Phe Val Val Thr Gly Ser Lys Asp Glu Thr Ile
50 55 60

His Ile Tyr Asp Met Lys Lys Lys Ile Glu His Gly Ala Leu Val His
65 70 75 80

His Ser Gly Thr Ile Thr Cys Leu Lys Phe Tyr Gly Asn Arg His Leu
85 90 95

Ile Ser Gly Ala Glu Asp Gly Leu Ile Cys Ile Trp Asp Ala Lys Lys
100 105 110

Trp Glu Cys Leu Lys Ser Ile Lys Ala His Lys Gly Gln Val Thr Phe
115 120 125

Leu Ser Ile His Pro Ser Gly Lys Leu Ala Leu Ser Val Gly Thr Asp
130 135 140

Lys Thr Leu Arg Thr Trp Asn Leu Val Glu Gly Arg Ser Ala Phe Ile
145 150 155 160

Lys Asn Ile Lys Gln Asn Ala His Ile Val Glu Trp Ser Pro Arg Glu
165 170 175

Glu Gln Tyr Val Val Ile Ile Gln Asn Lys Ile Asp Ile Tyr Gln Leu
180 185 190

Asp Thr Ala Ser Ile Ser Gly Thr Ile Thr Asn Glu Lys Arg Ile Ser
195 200 205

Ser Val Lys Phe Leu Ser Glu Ser Val Leu Ala Val Ala Gly Asp Glu
210 215 220

Glu Val Ile Arg Phe Phe Asp Cys Asp Ser Leu Val Cys Leu Cys Glu
225 230 235 240

Phe Lys Ala His Glu Asn Arg Val Lys Asp Met Phe Ser Phe Glu Ile
245 250 255

Pro Glu His His Val Ile Val Ser Ala Ser Ser Asp Gly Phe Ile Lys
260 265 270

Met Trp Lys Leu Lys Gln Asp Lys Lys Val Pro Pro Ser Leu Leu Cys
275 280 285

Glu Ile Asn Thr Asn Ala Arg Leu Thr Cys Leu Gly Val Trp Leu Asp
290 295 300

Lys Val Ala Asp Met Lys Glu Ser Leu Pro Pro Ala Ala Glu Pro Ser
305 310 315 320

Pro Val Ser Lys Glu Gln Ser Lys Ile Gly Lys Lys Glu Pro Gly Asp
325 330 335

Thr Val His Lys Glu Glu Lys Arg Ser Lys Pro Asn Thr Lys Lys Arg
340 345 350

Gly Leu Thr Gly Asp Ser Lys Lys Ala Thr Lys Glu Ser Gly Leu Ile
 355 360 365

Ser Thr Lys Lys Arg Lys Met Val Glu Met Leu Glu Lys Lys Arg Lys
 370 375 380

Lys Xaa Lys Ile Lys Thr Met Gln
 385 390

<210> 1086

<211> 238

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (122)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1086

Ala Gly Thr Met His Gly Arg Leu Lys Val Lys Thr Ser Glu Glu Gln
 1 5 10 15

Ala Glu Ala Lys Arg Leu Glu Arg Glu Gln Lys Leu Lys Leu Tyr Gln
 20 25 30

Ser Ala Thr Gln Ala Val Phe Gln Lys Arg Gln Ala Gly Glu Leu Asp
 35 40 45

Glu Ser Val Leu Glu Leu Thr Ser Gln Ile Leu Gly Ala Asn Pro Asp
 50 55 60

Phe Ala Thr Leu Trp Asn Cys Arg Arg Glu Val Leu Gln Gln Leu Glu
 65 70 75 80

Thr Gln Lys Ser Pro Glu Glu Leu Ala Ala Leu Val Lys Ala Glu Leu
 85 90 95

Gly Phe Leu Glu Ser Cys Leu Arg Val Asn Pro Lys Ser Tyr Gly Thr
 100 105 110

Trp His His Arg Cys Trp Leu Leu Gly Xaa Leu Pro Glu Pro Asn Trp
 115 120 125

Thr Arg Glu Leu Glu Leu Cys Ala Arg Phe Leu Glu Val Asp Glu Arg
 130 135 140

Asn Phe His Cys Trp Asp Tyr Arg Arg Phe Val Ala Thr Gln Ala Ala

145 150 155 160
Val Pro Pro Ala Glu Glu Leu Ala Phe Thr Asp Ser Leu Ile Thr Arg
 165 170 175
Asn Phe Ser Asn Tyr Ser Ser Trp His Tyr Arg Ser Cys Leu Leu Pro
 180 185 190
Gln Leu His Pro Gln Pro Asp Ser Gly Pro Gln Gly Arg Leu Pro Glu
 195 200 205
Asp Val Leu Leu Lys Glu Leu Glu Leu Val Gln Asn Ala Ser Ser Leu
 210 215 220
Thr Pro Met Thr Arg Val Pro Gly Phe Ile Thr Val Gly Ser
225 230 235

<210> 1087

<211> 79

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (59)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (78)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1087

Leu Pro Ile Gln Ile Ser Leu Glu Leu Asp Arg Cys Phe Arg Gly Ala
1 5 10 15
Ala Leu Glu Arg Gly Phe Gly Leu Cys Lys Gly Arg Lys Glu Val Gln
20 25 30
Lys Asn Gly Val Gly Gly Ser Ala Gly Arg Leu Leu Lys Cys Gly Arg
35 40 45
Trp Lys Leu Gly Gly Glu Ile Lys Gly Thr Xaa Asp Gln Leu Val Cys
50 55 60
Ser Tyr Gln Gly Asp Pro Phe Gln Ser Lys Ser His Met Xaa Val
65 70 75

<210> 1088

<211> 257

<212> PRT

<213> Homo sapiens

<400> 1088

Ile Pro Val His Leu Val Ser Ser Ser Ser Asn Leu Glu Arg Phe Thr
1 5 10 15

Ser Arg Arg Ala Pro Gly Val Gly Leu Tyr Asn Leu Lys Thr Leu Leu
20 25 30

Phe Phe Ser Ser Val Gln Trp Val Leu Ile Pro Thr Met Ala Ile Thr
35 40 45

Gln Phe Arg Leu Phe Lys Phe Cys Thr Cys Leu Ala Thr Val Phe Ser
50 55 60

Phe Leu Lys Arg Leu Ile Cys Arg Ser Gly Arg Gly Arg Lys Leu Ser
65 70 75 80

Gly Asp Gln Ile Thr Leu Pro Thr Thr Val Asp Tyr Ser Ser Val Pro
85 90 95

Lys Gln Thr Asp Val Glu Glu Trp Thr Ser Trp Asp Glu Asp Ala Pro
100 105 110

Thr Ser Val Lys Ile Glu Gly Gly Asn Gly Asn Val Ala Thr Gln Gln
115 120 125

Asn Ser Leu Glu Gln Leu Glu Pro Asp Tyr Phe Lys Asp Met Thr Pro
130 135 140

Thr Ile Arg Lys Thr Gln Lys Ile Val Ile Lys Lys Arg Glu Pro Leu
145 150 155 160

Asn Phe Gly Ile Pro Asp Gly Ser Thr Gly Phe Ser Ser Arg Leu Ala
165 170 175

Ala Thr Gln Asp Leu Pro Phe Ile His Gln Ser Ser Glu Leu Gly Asp
180 185 190

Leu Asp Thr Trp Gln Glu Asn Thr Asn Ala Trp Glu Glu Glu Glu Asp
195 200 205

Ala Ala Trp Gln Ala Glu Glu Val Leu Arg Gln Gln Lys Leu Ala Asp
210 215 220

Arg Glu Lys Arg Ala Ala Glu Gln Gln Arg Lys Lys Met Glu Lys Glu
225 230 235 240

Ala Gln Arg Leu Met Lys Lys Glu Gln Asn Lys Ile Gly Val Lys Leu
245 250 255

Ser

<210> 1089
<211> 44
<212> PRT
<213> Homo sapiens

<400> 1089
Asn Ser Ala Arg Ala Asp Leu Arg Ala Ile Asn Ala Asn Leu Asn Glu
1 5 10 15
Lys Met Glu Ser Leu Thr Ala Val Ser Val Ser Ser Ile Ser Leu Ser
20 25 30
Asn Ser Cys Pro Ser Leu Thr Val Leu Val Ser Val
35 40

<210> 1090
<211> 96
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (23)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (85)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1090
Gly Arg Pro Ala Cys Ala Arg Glu Pro Gly Leu Glu Pro Tyr Leu Gln
1 5 10 15
Val Pro Asn Leu Arg Leu Xaa Ser Leu Ser Leu Pro Gln Pro Arg Thr
20 25 30
Lys Thr Ser Pro Pro Glu Gly Leu Pro Gln Leu Arg Glu Arg Ser Arg
35 40 45

Ser Ser Leu Gly Pro Gly Cys Ala Pro Gly Ala Gly Ser Asp Val Val
50 55 60

Ser Ser Pro Leu Arg Thr Gly Pro Ala Arg Ser Ser Trp Pro Pro Ser
65 70 75 80

Arg Ala Pro Ser Xaa Pro Pro Ser Ser Thr Ala Thr Thr Cys Arg Trp
85 90 95

<210> 1091
<211> 131
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (29)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (38)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (75)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (78)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1091
Lys Ala Lys Phe Asn Ile Thr Gly Ala Cys Leu Asn Asp Ser Asp Asp
1 5 10 15

Asp Ser Pro Asp Leu Asp Leu Asp Gly Asn Glu Ser Xaa Leu Ala Leu
20 25 30

Leu Met Ser Asn Gly Xaa Thr Lys Arg Val Lys Ser Leu Ser Lys Ser
35 40 45

Arg Arg Thr Lys Ile Ala Lys Lys Val Asp Lys Ala Arg Leu Met Ala
50 55 60

Glu Gln Val Met Glu Asp Glu Phe Asp Leu Xaa Ser Asp Xaa Glu Leu
65 70 75 80

Gln Ile Asp Glu Arg Leu Gly Lys Glu Lys Ala Thr Leu Ile Ile Arg
85 90 95

Pro Lys Phe Pro Arg Lys Leu Pro Arg Ala Asn Leu Ala Leu Thr Pro
100 105 110

Thr Glu Phe Val Asn Gln Glu Lys Leu Ser Leu Thr Leu Arg Arg Ile
115 120 125

Tyr Asn Arg
130

<210> 1092

<211> 158

<212> PRT

<213> Homo sapiens

<400> 1092

Leu Arg Ile Thr Val Leu Leu Thr Ser Phe Leu Met Val Leu Gly Thr
1 5 10 15

Gly Leu Arg Cys Ile Pro Ile Ser Asp Leu Ile Leu Lys Arg Arg Leu
20 25 30

Ile His Gly Gly Gln Met Leu Asn Gly Leu Ala Gly Pro Thr Val Met
35 40 45

Asn Ala Ala Pro Phe Leu Ser Thr Thr Trp Phe Ser Ala Asp Glu Arg
50 55 60

Ala Thr Ala Thr Ala Ile Ala Ser Met Leu Ser Tyr Leu Gly Gly Ala
65 70 75 80

Cys Ala Phe Leu Val Gly Pro Leu Val Val Pro Ala Pro Asn Gly Thr
85 90 95

Ser Pro Leu Leu Ala Ala Glu Ser Ser Arg Ala His Ile Lys Asp Arg
100 105 110

Ile Glu Ala Val Leu Tyr Ala Glu Phe Gly Val Val Cys Leu Ile Phe
115 120 125

Ser Ala Thr Leu Ala Tyr Phe Pro Pro Arg Pro Pro Leu Pro Pro Ser
130 135 140

Val Ala Ala Ala Ser Gln Arg Glu Leu Ser Glu Lys Arg Leu
145 150 155

<210> 1093

<211> 235

<212> PRT

<213> Homo sapiens

<400> 1093

Arg Ala Ala Gln Leu Trp Val Trp Glu Gly Val Val Gln Pro Pro Ala
1 5 10 15

Ala Trp Gly Gly Pro Trp Ser Ala Ser Arg Cys Gln Gln Gly Lys Gly
20 25 30

Gly Val Leu Glu Asn Glu Gly Phe Ile Gly Leu Leu Arg Glu Ala Pro
35 40 45

Gln Pro Gln Thr His His Leu Ala Val Asp Thr Cys Val Ser Met Trp
50 55 60

Asp Leu Val Leu Ser Ile Ala Leu Ser Val Gly Cys Thr Gly Ala Val
65 70 75 80

Pro Leu Ile Gln Ser Arg Ile Val Gly Gly Trp Glu Cys Glu Lys His
85 90 95

Ser Gln Pro Trp Gln Val Ala Val Tyr Ser His Gly Trp Ala His Cys
100 105 110

Gly Gly Val Leu Val His Pro Gln Trp Val Leu Thr Ala Ala His Cys
115 120 125

Leu Lys Lys Asn Ser Gln Val Trp Leu Gly Arg His Asn Leu Phe Glu
130 135 140

Pro Glu Asp Thr Gly Gln Arg Val Pro Val Ser His Ser Phe Pro His
145 150 155 160

Pro Leu Tyr Asn Met Ser Leu Leu Lys His Gln Ser Leu Arg Pro Asp
165 170 175

Glu Asp Ser Ser His Asp Leu Met Leu Leu Arg Leu Ser Glu Pro Ala
180 185 190

Lys Ile Thr Asp Val Val Lys Val Leu Gly Leu Pro Pro Arg Ser Gln
195 200 205

His Trp Gly Pro Pro Ala Thr Pro Gln Ala Gly Ala Ala Ser Asn Gln

210

215

220

Arg Ser Ser Cys Ala Pro Gly Val Phe Ser Val
 225 230 235

<210> 1094

<211> 128

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (3)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (4)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1094

Arg Arg Xaa Xaa Gly Arg Thr Asp Thr Ser Arg Ser Thr Ser Gly Glu
 1 5 10 15

Pro Lys Glu Arg Asp Lys Glu Glu Gly Lys Asp Ser Lys Pro Arg Ser
 20 25 30

Leu Arg Phe Thr Trp Ser Met Lys Thr Thr Ser Ser Met Asp Pro Asn
 35 40 45

Asp Met Met Arg Glu Ile Arg Lys Val Leu Asp Ala Asn Asn Cys Asp
 50 55 60

Tyr Glu Gln Lys Glu Arg Phe Leu Leu Phe Cys Val His Gly Asp Ala
 65 70 75 80

Arg Gln Asp Ser Leu Val Gln Trp Glu Met Glu Val Cys Lys Leu Pro
 85 90 95

Arg Leu Ser Leu Asn Gly Val Arg Phe Lys Arg Ile Ser Gly Thr Ser
 100 105 110

Ile Ala Phe Lys Asn Ile Ala Ser Lys Ile Ala Asn Glu Leu Lys Leu
 115 120 125

<210> 1095
 <211> 214
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (161)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (198)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (206)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 1095
 Ile Leu Phe Ser Ser Leu Leu Thr Cys Asn Phe Cys Leu Pro Ile Pro
 1 5 10 15
 Pro Ser Pro Leu Ser Phe Pro Glu Arg His Leu Gly Ser Tyr Leu Leu
 20 25 30
 Asp Ser Glu Asn Thr Ser Gly Ala Leu Pro Arg Leu Pro Gln Thr Pro
 35 40 45
 Lys Gln Pro Gln Lys Arg Ser Arg Ala Ala Phe Ser His Thr Gln Val
 50 55 60
 Ile Glu Leu Glu Arg Lys Phe Ser His Gln Lys Tyr Leu Ser Ala Pro
 65 70 75 80
 Glu Arg Ala His Leu Ala Lys Asn Leu Lys Leu Thr Glu Thr Gln Val
 85 90 95
 Lys Ile Trp Phe Gln Asn Arg Arg Tyr Lys Thr Lys Arg Lys Gln Leu
 100 105 110
 Ser Ser Glu Leu Gly Asp Leu Glu Lys His Ser Ser Leu Pro Ala Leu
 115 120 125
 Lys Glu Arg Pro Ser Pro Gly Pro Pro Trp Ser Pro Cys Ile Thr Ala
 130 135 140
 Ile Leu Thr Thr His Thr Cys Thr Ala Trp Ala Val Glu Pro Ser Phe
 145 150 155 160

Xaa Val Met Pro Ala Gln Val Thr Thr Ile Met Ile Lys Asn Cys Leu
165 170 175

Pro Gln Gly Val Ser Met Lys Ser Thr Arg Gly Gln Gly Gln Gly Ala
180 185 190

Arg Val Cys Thr Pro Xaa Leu Leu Glu Ile Cys Val Glu Xaa Ser Asp
195 200 205

Ser Ser Leu Val Arg Gln
210

<210> 1096
<211> 62
<212> PRT
<213> Homo sapiens

<400> 1096
Ile Arg His Glu Lys Lys Glu Arg Met Lys Glu Arg Lys Glu Lys Lys
1 5 10 15
Glu Arg Lys Glu Lys Gly Lys Lys Glu Arg Lys Glu Arg Lys Glu Arg
20 25 30
Lys Arg Glu Lys Glu Arg Arg Lys Arg Arg Lys Gly Ile Pro Gly Ile
35 40 45
Tyr His Cys Met Ser Lys Gly Arg Val Val Asp Arg His Ser
50 55 60

<210> 1097
<211> 48
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (31)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (32)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE
 <222> (34)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (35)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (36)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (37)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 1097
 Lys Lys His Trp Gly Met Leu Gln Asp Ile Gly Leu Gly Lys Asp Phe
 1 5 10 15
 Leu Ser Asn Thr Leu Lys Gly Gln Ala Thr Gln Ala Lys Met Xaa Xaa
 20 25 30
 Trp Xaa Xaa Xaa Xaa Leu Lys Asn Phe Tyr Thr Ala Lys Glu Thr Lys
 35 40 45

<210> 1098
 <211> 136
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (91)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 1098
 Asn Ile Pro Leu Asp Ser Glu Thr His Asn Tyr Gln Ile Val Asn His
 1 5 10 15
 Asp Gln Lys Leu Leu Leu Ile Thr Ser Thr Thr Pro Gln Trp Lys Lys
 20 25 30

Asn Arg Val Thr Val Tyr Glu Tyr Asp Thr Arg Glu Asp Gln Trp Ile
35 40 45

Asn Ile Gly Thr Met Leu Gly Leu Leu Gln Phe Asp Ser Gly Phe Ile
50 55 60

Cys Leu Cys Ala Arg Val Tyr Pro Ser Cys Leu Glu Pro Gly Gln Ser
65 70 75 80

Phe Ile Thr Glu Glu Asp Asp Ala Arg Ser Xaa Ser Ser Thr Glu Trp
85 90 95

Asp Leu Asp Gly Phe Ser Glu Leu Asp Ser Glu Ser Gly Ser Ser Ser
100 105 110

Ser Phe Ser Asp Asp Glu Val Trp Val Gln Val Ala Pro Gln Arg Asn
115 120 125

Ala Gln Asp Gln Gln Gly Ser Leu
130 135

<210> 1099

<211> 37

<212> PRT

<213> Homo sapiens

<400> 1099

Arg His Glu Arg Lys Val Lys Lys Arg Lys Lys Glu Arg Asn Lys Gln
1 5 10 15

Thr Lys Gln Leu Ala Tyr Ile Tyr Leu Leu Asn Thr Gly Arg Ser Ile
20 25 30

His Asn Leu Thr Leu
35

<210> 1100

<211> 105

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (104)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1100

Phe Gly Thr Arg Asp Thr Arg Val Lys Glu Arg Gly His Ala Val Ser
 1 5 10 15
 Glu Lys Leu Leu Leu Gly Trp Lys Gly Gln Leu His Lys Gly Cys Ser
 20 25 30
 Cys Arg Gly Ser Pro Ala Ala Arg Cys Leu Leu Thr Val Pro Arg Leu
 35 40 45
 Ser Pro Asp Thr Glu Gly Cys Lys Gly Ser Leu Phe Leu Leu Ser Gly
 50 55 60
 Ile Gly Lys Leu Tyr His Leu Ser Leu Pro Thr Leu Thr Ser Ala Pro
 65 70 75 80
 Ala Thr Leu Ser Leu Trp Leu Leu Leu Thr Phe Ser Pro Leu Ile Phe
 85 90 95
 Ser Pro Asp Gln Val Leu Gly Xaa Ser
 100 105

<210> 1101
 <211> 93
 <212> PRT
 <213> Homo sapiens

<400> 1101
 Ser Gly Arg Thr Leu Val Leu Arg Leu Ala Tyr Val Ser Arg Thr Val
 1 5 10 15
 Thr Thr Met Ala Pro Glu Val Leu Pro Lys Pro Arg Met Arg Gly Leu
 20 25 30
 Leu Ala Arg Arg Leu Arg Asn His Met Ala Val Ala Phe Val Leu Ser
 35 40 45
 Leu Gly Val Ala Ala Leu Tyr Lys Phe Arg Val Ala Asp Gln Arg Lys
 50 55 60
 Lys Ala Tyr Ala Asp Phe Tyr Arg Asn Tyr Asp Val Met Lys Asp Phe
 65 70 75 80
 Glu Glu Met Arg Lys Ala Gly Ile Phe Gln Ser Val Lys
 85 90

<210> 1102
 <211> 26

<212> PRT

<213> Homo sapiens

<400> 1102

Phe Gly Thr Ser Ala Pro Pro Arg Pro Ala Asn Phe Cys Ile Phe Gly
1 5 10 15

Arg Asp Gly Val Ser Ser Arg Trp Leu Gly
20 25

<210> 1103

<211> 51

<212> PRT

<213> Homo sapiens

<400> 1103

Gly Ser Glu Ser Asn Arg Leu Lys Phe Lys Ser Ser Ser Ala Thr Trp
1 5 10 15

Leu Met Leu Ser Glu Pro Gln Arg Pro Gln Leu Leu Asn Arg Gly Asn
20 25 30

His Pro His Leu Ser Ser Phe Gly Arg Lys Leu Asn Glu Ile Tyr Trp
35 40 45

Gly Ser Arg
50

<210> 1104

<211> 47

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (12)

<223> Xaa equals any of the naturally occurring L-amino acids

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<221> SITE

<222> (21)

<223> Xaa equals any of the naturally occurring L-amino acids

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<222> (40)

<223> Xaa equals any of the naturally occurring L-amino acids

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<221> SITE
<222> (45)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1104
Lys Arg Tyr Ser Val Leu Ile Leu Cys Lys Lys Xaa Lys Ser Ser Asn
1 5 10 15
Cys Phe Pro Met Xaa Lys Ile Thr Met Ser Cys Ile Met Leu Leu Ser
20 25 30
Phe Tyr Val Asn Ile Ser Tyr Xaa Ser Ser Ile Lys Xaa Ile Tyr
35 40 45

<210> 1105
<211> 72
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (65)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (69)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1105
Leu Leu Lys Leu Cys Asn Leu Gln Asn Ile Ala Ile Lys Leu His Thr
1 5 10 15
Met Phe Ser Ile Ile Leu Ile Asp Leu Pro Tyr Lys His Leu Asn Lys
20 25 30
Lys Tyr Tyr Leu Met Ile Lys Lys Lys Lys Lys Lys Lys Lys Lys Lys
35 40 45
Lys Lys Lys Lys Lys Arg Glu Lys Lys Lys Lys Lys Lys Lys Lys Lys
50 55 60
Xaa Gly Gly Gly Xaa Lys Lys Lys
65 70

<210> 1106
<211> 79
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (54)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
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<222> (57)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (62)
<223> Xaa equals any of the naturally occurring L-amino acids

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<221> SITE
<222> (68)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (74)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1106
Gly Leu Ser His Ser Asn Ser Ser Tyr Leu Glu Pro Leu Gly Ser Asp
1 5 10 15
Val Asp Arg Ala Asn Val Lys Phe Thr Glu Asn Thr Cys Val Phe Arg
20 25 30
Thr Leu Lys Gly Thr Ile Arg Ala Cys Phe Pro Ser Leu Tyr Met His
35 40 45
Ile Phe Gly Ile Ser Xaa Gly Leu Xaa Asp Val Val Ile Xaa Asn Thr
50 55 60
Ala Arg Met Xaa Ala Val Leu Ile His Xaa Gln Lys Arg Gly Gly
65 70 75

<210> 1107
<211> 91
<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (41)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (72)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1107

Ile Ile Ala Ala Leu Ser Pro Ile Gln Ile Leu Pro Ser Asp Gly Lys
1 5 10 15

Asp Gln Phe Ser Cys Gly Asn Ser Val Ala Asp Gln Ala Phe Leu Asp
20 25 30

Ser Leu Ser Ala Ser Thr Ala Gln Xaa Ser Ser Ser Ala Ala Ser Asn
35 40 45

Asn His Gln Val Arg Leu Thr Ser Ser Phe Trp Met Trp Leu Ala Leu
50 55 60

Arg Lys Thr Glu Arg Ile Cys Xaa Arg Leu Val Met His Tyr Ser Tyr
65 70 75 80

Cys His Ser Pro Lys Ala Lys Thr Lys Ser Leu
85 90

<210> 1108

<211> 47

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (35)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (39)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (46)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1108

Glu	Val	Ile	Lys	Val	Met	Asn	Thr	Cys	Gln	Cys	Ser	Gly	Phe	Thr	Pro
1				5					10					15	

Val	Leu	Gln	His	Phe	Gly	Glu	Ala	Lys	Ala	Gly	Arg	Ser	Phe	Glu	Pro
			20					25					30		

Gln	Asp	Xaa	Gly	Thr	Thr	Xaa	Gly	Asn	Ile	Val	Arg	Pro	Xaa	Val
		35					40						45	

<210> 1109

<211> 78

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (60)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (62)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (64)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (66)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (67)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (75)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (77)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1109

Trp Asn His Leu His Asp Leu Arg Val Ser Arg Asp Leu Leu Ser Arg
1 5 10 15

Ile Leu Lys Glu His Tyr Lys Phe Arg Glu Lys Ile Asn Ile Leu Ile
20 25 30

Ile Leu Lys Leu Arg Asn Phe Ser Ser Leu Arg Gly His Lys Val Phe
35 40 45

Val Val Tyr Thr Ser Asn Lys Ser Ser Ile Phe Xaa Asn Xaa Trp Xaa
50 55 60

Glu Xaa Xaa Trp Tyr Val Lys Lys Arg Pro Xaa Pro Xaa Gly
65 70 75

<210> 1110

<211> 62

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (30)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (41)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1110

Thr Trp Ser Leu His Lys Ile Gln Lys Leu Arg Trp Ala Trp Trp Cys
1 5 10 15

Val Pro Ile Val Pro Leu Leu Val Gly Leu Arg Gln Glu Xaa His Leu
20 25 30

Ser Pro Gly Gly Arg Gly Tyr Ser Xaa Pro Arg Val His Tyr Cys Thr
35 40 45

Pro Ala Arg Ala Arg Glu Arg Asp Pro Val Ser Ile Asn Lys
50 55 60

<210> 1111
<211> 44
<212> PRT
<213> Homo sapiens

<400> 1111
Phe Met Asn Leu Phe Pro Gly Lys Pro Tyr Asp Ser Thr Val Lys Gly
1 5 10 15
Val Arg Ile Val Lys Met Val Phe Ser Asp Gln Val Cys Ala His Ala
20 25 30
Trp Pro Trp Ile Asp Ser Glu Met Arg Phe Phe Val
35 40

<210> 1112
<211> 263
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (19)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1112
Gly Arg Ala Ile Met Ala Ala Ser Arg Leu Glu Leu Asn Leu Val Arg
1 5 10 15
Leu Leu Xaa Arg Cys Glu Ala Met Ala Ala Glu Lys Arg Asp Pro Asp
20 25 30
Glu Trp Arg Leu Glu Lys Tyr Val Gly Ala Leu Glu Asp Met Leu Gln
35 40 45
Ala Leu Lys Val His Ala Ser Lys Pro Ala Ser Glu Val Ile Asn Glu
50 55 60
Tyr Ser Trp Lys Val Asp Phe Leu Lys Gly Met Leu Gln Ala Glu Lys
65 70 75 80
Leu Thr Ser Ser Ser Glu Lys Ala Leu Ala Asn Gln Phe Leu Ala Pro
85 90 95
Gly Arg Val Pro Thr Thr Ala Arg Glu Arg Val Pro Ala Thr Lys Thr
100 105 110
Val His Leu Gln Ser Arg Ala Arg Tyr Thr Ser Glu Met Arg Ser Glu
115 120 125

Leu Leu Gly Thr Asp Ser Ala Glu Pro Glu Met Asp Val Arg Lys Arg
130 135 140

Thr Gly Val Ala Gly Ser Gln Pro Val Ser Glu Lys Gln Ser Ala Ala
145 150 155 160

Glu Leu Asp Leu Val Leu Gln Arg His Gln Asn Leu Gln Glu Lys Leu
165 170 175

Ala Glu Glu Met Leu Gly Leu Ala Arg Ser Leu Lys Thr Asn Thr Leu
180 185 190

Ala Ala Gln Ser Val Ile Lys Lys Asp Asn Gln Thr Leu Ser His Ser
195 200 205

Leu Lys Met Ala Asp Gln Asn Leu Glu Lys Leu Lys Thr Glu Ser Glu
210 215 220

Arg Leu Glu Gln His Thr Gln Lys Ser Val Asn Trp Leu Leu Trp Ala
225 230 235 240

Met Leu Ile Ile Val Cys Phe Ile Phe Ile Ser Met Ile Leu Phe Ile
245 250 255

Arg Ile Met Pro Lys Leu Lys
260

<210> 1113

<211> 40

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (1)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (3)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (4)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (5)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (37)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1113

Xaa Ala Xaa Xaa Xaa Trp Pro Pro Pro Lys Gly Asn Lys Ser Trp Ser
1 5 10 15

Ser Thr Ala Val Ala Ala Ala Leu Glu Leu Val Asp Pro Pro Gly Cys
20 25 30

Arg Gln Lys Gly Xaa Phe Lys Ile
35 40

<210> 1114

<211> 125

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (26)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1114

Arg Lys Arg Leu Ala Phe Trp Thr Thr Gly Ile Arg Asp Trp Leu Thr
1 5 10 15

Trp Arg Thr His Ser Val Cys Ala Glu Xaa Arg Ala Leu Thr Ser Ala
20 25 30

Glu Ala Glu Val Gly Ala Cys Pro Arg Gly Leu Thr Arg Phe Ala Ser
35 40 45

Arg Pro Gln Pro Leu His Leu Leu Lys Ala Gln Glu Met Ile Arg Leu
50 55 60

Lys His Pro Pro Ile Leu Leu Phe Cys Leu Gly Trp Lys Thr Trp Pro
65 70 75 80

Arg Ser Trp Arg Pro Leu Leu His Leu Pro Asp Ser Gln Glu Ser Ser
85 90 95

Asp Gln Ser Cys Arg Thr Leu Leu Leu Pro Leu Ala Leu Leu Pro Phe

100	105	110
Ser Ser Ser Trp Gly Pro Ser Leu Val Pro His Ser Leu		
115	120	125

<210> 1115
 <211> 109
 <212> PRT
 <213> Homo sapiens

<400> 1115
 Ile Asp Lys Arg Val Pro Cys Asn Gln Leu Lys Ser Val Leu Cys Val
 1 5 10 15
 Cys Phe Val Ser Gly Ala Glu Tyr Asp Asn Leu Pro Thr Val Pro Leu
 20 25 30
 Phe Glu Val Gly Leu Ala Leu Glu Ser Tyr Cys Lys Cys Leu Ala Cys
 35 40 45
 Met Ile Val Pro Gly His Pro Thr Leu Glu Phe Ala Pro Ser Cys Phe
 50 55 60
 Ser Glu Asp Ala Val Asn Arg Phe Arg Phe Tyr Cys Leu Trp Ile Trp
 65 70 75 80
 Gly Val Thr Val Ala Leu Phe Thr Phe Leu Ile Lys Ile His Met Lys
 85 90 95
 Thr Arg Lys Lys Trp Leu Phe Leu Pro Arg Leu Cys Thr
 100 105

<210> 1116
 <211> 42
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (2)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (5)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 1116

Gln Xaa Glu Leu Xaa Leu Lys Lys Lys Lys Lys Ile Ile Cys Lys Ile
1 5 10 15

Asn Ser Gly Ile Val Val Leu Phe Lys Glu Met Phe Cys Lys Leu Ser
20 25 30

Ser His Tyr Ile Ile Phe Ile Val Leu Ser
35 40

<210> 1117

<211> 62

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (2)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1117

Lys Xaa Ala Thr Pro Arg Pro Pro Gly Glu Thr Arg Pro Arg Met Pro
1 5 10 15

Arg Leu Phe Leu Phe His Leu Leu Glu Phe Cys Leu Leu Leu Asn Gln
20 25 30

Phe Ser Arg Ala Val Ala Ala Lys Trp Lys Asp Asp Val Ile Lys Leu
35 40 45

Cys Gly Arg Glu Leu Val Arg Ala Gln Ile Ala Ile Leu Gly
50 55 60

<210> 1118

<211> 80

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (45)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (80)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1118

Pro Ser Val Glu Trp Glu Gln Gly His Ser Glu Arg Ala Glu Ser Pro
1 5 10 15
His Pro Pro Thr Leu Gln Gln Ala Ala Ala Gly Arg Leu Val Asn Cys
20 25 30
Arg Ala Gly Thr Gln Gln Gln Ala Ala Gly Thr Pro Xaa Leu Leu Gln
35 40 45
Leu Met Ala Val Cys Leu Ser Gln Asp Leu Glu Lys Thr Arg Leu Val
50 55 60
Tyr Glu Arg Ile Thr Ile Gly Thr Leu Phe Met Ser Phe Met Asn Xaa
65 70 75 80

<210> 1119

<211> 73

<212> PRT

<213> Homo sapiens

<400> 1119

Thr Gln Gln Ser Val Pro Val Ile Val His Pro Gly Val Ala Leu Leu
1 5 10 15
Ile Pro Ser Gly Met Tyr Leu Pro Ser Glu Leu His Phe Phe Lys Met
20 25 30
Leu Trp Val Val Gly Trp Glu Thr Ile Leu Gln Pro Ser Ser Asp Leu
35 40 45
Ile Asn Ser Leu Arg Asp Cys Lys Ala Glu Ser Thr Ser Gly His Ser
50 55 60
Trp Glu Thr Asp Pro Leu Val Met Lys
65 70

<210> 1120

<211> 77

<212> PRT

<213> Homo sapiens

<220>

<221> SITE
 <222> (40)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (49)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
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 <222> (53)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (57)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (58)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (63)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 1120
 Thr Ser Ser Ser Tyr Ser Asp Lys Gln Asp Thr Pro Pro His Pro Thr
 1 5 10 15
 Cys Ser Ile Ser Leu Ser Pro Leu Pro Gln Thr His Leu His Cys Ser
 20 25 30
 Ser Cys Arg Gly Ser Arg Lys Xaa Ile Leu Lys Ile Thr Arg Val Gly
 35 40 45
 Xaa Gly Ala Val Xaa Ser Gly Cys Xaa Xaa Gln His Phe Gly Xaa Gly
 50 55 60
 Pro Gly Lys Ala Val His Phe Gly Val Lys Gly Phe Leu
 65 70 75

<210> 1121
 <211> 66
 <212> PRT
 <213> Homo sapiens

<220>
<221> SITE
<222> (2)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1121
Pro Xaa Leu Tyr Tyr Val Lys Leu Pro Ile Lys Tyr Phe Tyr Asp Tyr
1 5 10 15
Arg Phe Cys Ile Phe Val Tyr Asn Tyr Leu Lys Ser Phe Met Leu Tyr
20 25 30
Leu Glu Phe Gln Pro Arg Asn His Thr Val Leu Lys Phe Ser Trp Gly
35 40 45
Leu Leu Leu Ser Leu Asn His Leu Leu Asn Ile Tyr Leu Pro Lys Gly
50 55 60
Asp Phe
65

<210> 1122
<211> 41
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (41)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1122
Ser Gln His Phe Gly Asn Ala Glu Val Ser Gly Ser Pro Glu Val Arg
1 5 10 15
Ser Ser Arg Pro Ala Trp Ala Asn Met Val Lys Pro His Phe Leu Leu
20 25 30
Lys Lys Lys Lys Leu Gly Gly Gly Xaa
35 40

<210> 1123
<211> 45
<212> PRT
<213> Homo sapiens

<220>

<221> SITE

<222> (12)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (16)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1123

Lys Lys Lys Lys Gly Cys Thr Lys Ile Ser Phe Xaa Gln Arg Leu Xaa
1 5 10 15

Lys Arg Lys Lys Lys Arg Asn Thr Cys Val Leu Lys Thr Ile Cys Ile
20 25 30

Phe Ser Phe Leu Asp His Thr Val Ala Asn Tyr Cys Tyr
35 40 45

<210> 1124

<211> 227

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (27)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (38)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1124

Arg Leu Pro Arg Asn Ile Thr Pro Glu Trp Leu Gln Pro Arg Arg Pro
1 5 10 15

Gly Val Pro Cys Phe Trp Ile Gln Phe Ser Xaa Val His Gly Phe Pro
20 25 30

Lys Glu Trp Ser Cys Xaa Phe Phe Gly Ile Val Asn Ile Leu Leu Lys
35 40 45

Tyr Gly Ala Gln Ile Asn Glu Leu His Leu Ala Tyr Cys Leu Lys Tyr
50 55 60

Glu Lys Phe Ser Ile Phe Arg Tyr Phe Leu Arg Lys Gly Cys Ser Leu

[illegible]

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<210> 1125
<211> 74
<212> PRT
<213> Homo sapiens
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<400> 1125
Asn Val Ala Cys Asn Thr Val Leu Pro Ala Lys Phe Ser Thr Phe Cys
  1                      5                      10                      15

Asn Leu Phe Tyr Phe Phe Gly Cys Lys Ala Phe Leu Leu Ser Ile Val
      20                      25                      30

Ile Leu Tyr Met Phe Cys Pro Ser Cys Ile Val Met Phe Gln Ser Ile
      35                      40                      45

Ile Gln Leu Trp Leu Leu Lys Ser Tyr Ser Cys Glu Asp Leu Pro Leu
      50                      55                      60

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Phe Leu Leu Asp Cys Phe Ser Val Leu Tyr
65 70

<210> 1126
<211> 44
<212> PRT
<213> Homo sapiens

<400> 1126
Ile Ser Ser Thr Pro Ser Leu Thr Gln Ile Leu Val Phe Ile Met Asp
1 5 10 15
Phe Phe Phe Lys Leu Val Tyr Leu Ile Leu Ser Phe His Phe Trp Gln
20 25 30
His Met Asp Asp Phe Ile Phe Asn Asn His Ile Ser
35 40

<210> 1127
<211> 38
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (11)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (15)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (35)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1127
Leu Ser Pro Phe Glu Ala Ser Thr Asp Trp Xaa Lys Gln Ile Xaa Lys
1 5 10 15
Trp Asp Val Thr Gly Leu Ile Ser Thr Asn Arg Leu Phe Thr Thr Pro
20 25 30

Ser Trp Xaa Pro Val Ser

35

<210> 1128

<211> 70

<212> PRT

<213> Homo sapiens

<400> 1128

Gly Thr Glu Cys Thr His Gly Lys Lys Pro Cys Phe Val Phe Cys Ser
1 5 10 15

Leu Phe Phe Leu Ser Pro Phe Leu Ser Phe Met Ala Gly Asp Met Ile
20 25 30

Tyr Cys Ser His Pro Ser Trp Gly Leu Ile His His Thr Arg Val Ala
35 40 45

Arg Arg Leu Trp Gln Gln Leu Phe Ala Leu Asn Gln Thr Glu Lys Leu
50 55 60

Ser Ile Ile Lys Gly Arg
65 70

<210> 1129

<211> 50

<212> PRT

<213> Homo sapiens

<400> 1129

His Leu Pro Leu Ser Glu Thr His Ser Pro Ile Leu Asn Ala Tyr Ala
1 5 10 15

Val Gly Tyr His Leu Pro Leu Glu Val Leu Glu Ala Ile Ser Cys Arg
20 25 30

Ser Arg Val Ala Met Gly Leu Asn Tyr Tyr Tyr Pro Pro Lys Met Leu
35 40 45

Cys Leu
50

<210> 1130

<211> 76

<212> PRT

<213> Homo sapiens

<400> 1130

Phe Val Lys Gly Val Asn Cys Leu Ile Tyr Leu Thr Arg Phe Phe Lys
1 5 10 15
Gln Ile Leu Ile Gly His Ala Leu His Ala Arg Leu Trp Ala Trp Tyr
20 25 30
Leu Arg Val Leu Thr Gly Glu Ala Gly Ser Gly Asn Lys His Met Cys
35 40 45
Asn Cys Cys Val Asp Ser Leu Ile Gly Arg Lys Ser Ala Asn Lys Glu
50 55 60
Ala Asp Lys Leu Glu Asn Glu Arg Lys Val Met Cys
65 70 75

<210> 1131

<211> 121

<212> PRT

<213> Homo sapiens

<400> 1131

Thr Pro Tyr Tyr Leu Arg Val Arg Arg Lys Asn Pro Val Thr Ser Thr
1 5 10 15
Tyr Ser Lys Met Ser Leu Gln Leu Tyr Gln Val Asp Ser Arg Thr Tyr
20 25 30
Leu Leu Asp Phe Arg Ser Ile Asp Asp Glu Ile Thr Glu Ala Lys Ser
35 40 45
Gly Thr Ala Thr Pro Gln Arg Ser Gly Ser Val Ser Asn Tyr Arg Ser
50 55 60
Cys Gln Arg Ser Asp Ser Asp Ala Glu Ala Gln Gly Lys Ser Ser Glu
65 70 75 80
Val Ser Leu Thr Ser Ser Val Thr Ser Leu Asp Ser Ser Pro Val Asp
85 90 95
Leu Thr Pro Arg Pro Gly Ser His Thr Ile Glu Phe Phe Glu Met Cys
100 105 110
Ala Asn Leu Ile Lys Ile Leu Ala Gln
115 120

<210> 1132
 <211> 63
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (60)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (61)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (63)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 1132
 Lys Thr Arg Gly Lys Leu Asp Lys Glu Pro Arg Pro Thr Gly Val Cys
 1 5 10 15
 Cys Leu Gln Glu Thr His Leu Thr Cys Gly Gly Ile His Arg Leu Lys
 20 25 30
 Ile Lys Glu Trp Arg Lys Ile Phe Gln Ala Asn Gly Lys Gln Lys Lys
 35 40 45
 Ala Gly Val Ala Leu Leu Leu Ser Asp Lys Thr Xaa Xaa Ala Xaa
 50 55 60

<210> 1133
 <211> 46
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (46)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 1133
 Pro Ser Gln Val Ser Leu Asn His Pro Asp Asp Leu Pro Val Glu Arg
 1 5 10 15
 Ser Tyr Pro Ser Gln Val Tyr Phe Leu Met Arg Thr Gly His Ser Trp
 20 25 30

Asp Asp Leu Pro Ala Glu Arg Ser Asp Ile Phe Trp Val Xaa
35 40 45

<210> 1134
<211> 65
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (20)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1134
Asn Ser Ala Arg Glu Val Ile Tyr Met Ile His Ser Gln Glu Leu Leu
1 5 10 15
Asp Arg Lys Xaa Gln Gly Pro Gln Pro Leu Cys Pro Leu Tyr Pro Gln
20 25 30
Met Ala Leu Gly Ile Asn Ser Ser Gly Ile Ala Leu Lys Asn Ser Ala
35 40 45
Ser Cys Phe Ala Glu Cys His Gly His Val Ile Leu Arg Ser His Asn
50 55 60
Thr
65

<210> 1135
<211> 30
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (26)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1135
Ser Cys Val Arg Gly Asn Leu Glu Pro Tyr Ile Asn Thr Tyr Ile Ile
1 5 10 15
Lys Gly Lys Ile Leu Lys Val Asn Gly Xaa Lys Ala Ser Ile
20 25 30

<210> 1136
<211> 51
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (16)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1136
Pro Glu Ser Arg His Ile Leu Val Cys Thr Gln Leu Trp Ala Lys Xaa
1 5 10 15
Arg Trp Arg His Leu Ser Ser His Ala Glu Leu His Ser Arg Leu Arg
20 25 30
Thr Trp Val Gly Ser Ser Lys Val Ile Ala Lys Ala Pro Leu Ser Gly
35 40 45
Gly Tyr Thr
50

<210> 1137
<211> 48
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (25)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (26)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (42)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1137
Ser Arg Leu Ser Phe Gln Asp Leu Ala Pro Ala Leu Gly Met Val Gly
1 5 10 15

Gly Lys Ala Lys Asn Leu Gly Ser Xaa Xaa Pro Trp Ala Leu Lys Asn
 20 25 30

Val Val Leu Phe Lys Glu Gln Gly Ser Xaa Gln Gly Cys Phe Trp Gly
 35 40 45

<210> 1138

<211> 53

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (10)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (53)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1138

Lys Met Cys Leu Phe Gln Leu Ser Gln Xaa Gly Asn Val Thr Gly Ile
 1 5 10 15

Arg Trp Val Lys Ala Arg Asp Ala Ala Arg His Ser Thr Val His Arg
 20 25 30

Thr Thr Pro Thr Thr Lys Asn Tyr Leu Ala Gln Asn Val Asn Asn Ala
 35 40 45

Glu Val Glu Lys Xaa
 50

<210> 1139

<211> 86

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (17)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (54)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1139

Ile Gly Phe Gly His Asp Thr Asp Phe Leu Glu Ala Arg Cys Cys Phe
1 5 10 15

Xaa Ser Gly Met Gly Val His Asp Cys Pro Glu Gln Pro Arg Ser Gln
20 25 30

Phe Phe Arg Arg Leu Ser Ala Ile Ser Ala Gln Ala Phe Thr Gly Gln
35 40 45

Gly Gln Lys Gln Leu Xaa Gly Val Gly Gly Ala Ser Ser Thr Ala Ala
50 55 60

Trp Pro Gln Glu Ile Gly Cys Ser Ser Ser Ser Ala Cys Gly Met Val
65 70 75 80

Arg Asn Asn Leu Gly Gly
85

<210> 1140

<211> 93

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (12)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1140

Ile Lys Lys Tyr Ile Phe His Phe Tyr Phe Ile Xaa Asn His Asn Tyr
1 5 10 15

Leu Leu Arg Arg Cys Met His Leu Leu Asp Thr Val Gln Leu Leu Thr
20 25 30

Trp Asn Glu Ile Gly His Cys Cys Pro His Phe Leu Leu His Val Gly
35 40 45

Val His Ile Val Leu Asp Phe Leu Ser Asp Gly Leu Glu Asn Pro Val
50 55 60

Ser Gln Lys Tyr Glu Ile Ile Arg Arg Ile Ile Val Gln Ser Tyr Val
65 70 75 80

Glu Arg Met Asn Tyr Leu Thr Ser Ser Ser Arg Asp Val
85 90

<210> 1141
<211> 63
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (56)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (60)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1141
Lys Ile Ile Ile Phe Ser Val Val His Asn Asn Val Leu Asn Ile Leu
1 5 10 15
Leu Ile Lys Gly Ala Met Ser Leu Cys Met Val Leu Asn Val Ser Cys
20 25 30
Val Pro Phe Ala Gln Leu Arg Ile Leu Gln Leu Gly Phe Asn Glu Trp
35 40 45
Gly His Gly Ile Ile Met Gly Xaa Cys Lys Lys Xaa Lys Arg Gly
50 55 60

<210> 1142
<211> 57
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (49)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (56)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1142

Phe Cys Val Glu Leu Ile Ser Gln Cys Arg Gly Lys Asn Ser Leu Gly
1 5 10 15

Ser Ser Leu Asp Ile Thr Val His Arg Ala Ser His Gln Asp Asp Pro
20 25 30

Thr Phe Tyr Gly Gly Pro Gly Ile Gly Ser Pro Glu Pro Ile Thr Gln
35 40 45

Xaa Pro Ser Asp Gly Trp Gly Xaa Trp
50 55

<210> 1143

<211> 203

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (36)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (41)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (107)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (171)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (174)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (180)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (184)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (190)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1143

Ala Leu Ala Leu Cys Gln Cys Gly Val Pro Ala Cys Ser His Val Pro
1 5 10 15

Met Trp Ser Ala Arg Leu Leu Met Cys Pro Cys Gly Val Pro Ala Cys
20 25 30

Ser His Met Xaa Met Arg Ser Ala Xaa Leu Leu Thr His Ala His Val
35 40 45

Glu Cys Pro Pro Ala His Thr Cys Pro Cys Gly Val Pro Ala Cys Ser
50 55 60

His Thr Cys Pro Cys Gly Val Pro Thr Cys Ser Cys Ala His Val Glu
65 70 75 80

Cys Pro Pro Ala His Met Cys Arg Cys Gly Val Pro Pro Ala His Thr
85 90 95

Arg Ala His Val Glu Cys Pro Pro Ala His Xaa Cys Arg Cys Gly Val
100 105 110

Pro Ala Cys Ser His Val Pro Met Arg Ser Ala Arg Leu Leu Thr Arg
115 120 125

Ala Asp Ala Glu Cys Pro Pro Ala His Thr Cys Pro Cys Gly Val Pro
130 135 140

Ala Cys Ser His Val Pro Thr Arg Ser Ala Arg Leu Leu Thr Arg Ala
145 150 155 160

Asp Ala Glu Cys Pro Pro Ala His Thr Cys Xaa Arg Gly Xaa Pro Ala
165 170 175

Cys Ser His Xaa Pro Thr Arg Xaa Ala Arg Leu Leu Thr Xaa Ala His
180 185 190

Val Glu Cys Arg Leu Leu Thr Leu Pro Met Trp
195 200

<210> 1144
 <211> 62
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (40)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 1144

Lys	Val	Leu	Leu	Pro	Tyr	Leu	Cys	Ser	Ser	Phe	Pro	Met	Ala	Glu	Phe
1				5					10					15	
Cys	Asn	Tyr	Ile	Gln	Asn	Ile	Val	Tyr	Ile	Leu	Phe	Leu	Lys	Leu	Tyr
			20					25					30		
Tyr	Ile	Gly	Trp	Ile	Leu	Leu	Xaa	Trp	Gly	Thr	Gly	Ala	Tyr	Ile	Gln
		35					40					45			
Gly	Ser	Phe	Leu	Ser	Thr	Cys	Leu	Ser	Thr	Ile	Cys	Cys	Val		
	50					55					60				

<210> 1145
 <211> 105
 <212> PRT
 <213> Homo sapiens

<400> 1145

Asn	Glu	Ser	Leu	Thr	Gln	Phe	His	Ala	Thr	Phe	Cys	Leu	Phe	Ser	Lys
1				5					10					15	
Glu	Arg	Leu	Leu	Gly	Leu	Ser	Val	Thr	Arg	His	Val	Trp	Ile	Ala	Ser
			20					25					30		
His	Ile	His	Ile	Met	Pro	Gly	Ser	Pro	Gln	Pro	Thr	His	Val	Leu	Glu
		35					40					45			
Val	Ala	Thr	Cys	Gln	Val	Ser	Val	Phe	Ser	Leu	Asn	Ser	Lys	Trp	Val
	50					55					60				
Asn	His	Met	Asn	Ser	Thr	Gly	Pro	Cys	Glu	Asn	Gly	Val	Lys	Ala	Ser
65					70					75				80	
Phe	Val	Pro	Phe	Ser	Ile	Ser	Leu	Thr	His	Met	Cys	Ser	Leu	Ser	Thr
			85						90					95	
Ala	Glu	Asp	Arg	Phe	Val	Cys	Ala	Leu							
			100					105							

<210> 1146
<211> 243
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (240)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1146

Lys Glu Thr Leu Glu Thr Ile Ser Asn Glu Glu Gln Thr Pro Leu Leu
1 5 10 15

Lys Lys Ile Asn Pro Thr Glu Ser Thr Ser Lys Ala Glu Glu Asn Glu
20 25 30

Lys Val Asp Ser Lys Val Lys Ala Phe Lys Lys Pro Leu Ser Val Phe
35 40 45

Lys Gly Pro Leu Leu His Ile Ser Pro Ala Glu Glu Leu Tyr Phe Gly
50 55 60

Ser Thr Glu Ser Gly Glu Lys Lys Thr Leu Ile Val Leu Thr Asn Val
65 70 75 80

Thr Lys Asn Ile Val Ala Phe Lys Val Arg Thr Thr Ala Pro Glu Lys
85 90 95

Tyr Arg Val Lys Pro Ser Asn Ser Ser Cys Asp Pro Gly Ala Ser Val
100 105 110

Asp Ile Val Val Ser Pro His Gly Gly Leu Thr Val Ser Ala Gln Asp
115 120 125

Arg Phe Leu Ile Met Ala Ala Glu Met Glu Gln Ser Ser Gly Thr Gly
130 135 140

Pro Ala Glu Leu Thr Gln Phe Trp Lys Glu Val Pro Arg Asn Lys Val
145 150 155 160

Met Glu His Arg Leu Arg Cys His Thr Val Glu Ser Ser Lys Pro Asn
165 170 175

Thr Leu Thr Leu Lys Asp Asn Ala Phe Asn Met Ser Asp Lys Thr Ser
180 185 190

Glu Asp Ile Cys Leu Gln Leu Ser Arg Leu Leu Glu Ser Asn Arg Lys

195 200 205

Leu Glu Asp Gln Val Gln Arg Cys Ile Trp Phe Gln Gln Leu Leu Leu
 210 215 220

Ser Leu Thr Met Leu Leu Leu Ala Phe Val Thr Ser Phe Phe Tyr Xaa
 225 230 235 240

Leu Tyr Ser

<210> 1147
 <211> 58
 <212> PRT
 <213> Homo sapiens

<400> 1147

Ser Val Lys Met Met Tyr Cys Ile Leu Lys Tyr Ser Asn Cys Ala Phe
 1 5 10 15

Leu Tyr His Leu Gln Tyr Glu Lys Cys Gln Tyr Leu Val Pro Phe Ser
 20 25 30

Gly Thr Ile Arg Phe Leu Leu Thr Leu Phe Ser Pro Leu Thr His Val
 35 40 45

Ile Ser His Ser Asn Gln Glu Ser Arg Glu
 50 55

<210> 1148
 <211> 73
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (1)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (2)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 1148

Xaa Xaa Asn Gly Leu Gly Ser Val Lys Asp Gly Glu Pro His Phe Val
 1 5 10 15

Val Val His Cys Thr Gly Tyr Ile Lys Ala Trp Pro Gln Gln Val Phe
20 25 30
Pro Ser Gln Met Met Thr Gln Pro Glu Val Phe Gln Glu Met Leu Ser
35 40 45
Met Leu Gly Asp Gln Ser Asn Ser Tyr Asn Asn Glu Glu Phe Pro Asp
50 55 60
Leu Thr Met Phe Pro Pro Phe Ser Glu
65 70

<210> 1149
<211> 79
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (15)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (17)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (50)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (58)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1149
Val Lys Trp Val Val Ser Phe Asn Ile Gln Asn Asn His Met Xaa Tyr
1 5 10 15
Xaa Leu Pro Leu Ser Phe Pro Phe Val Gln Met Arg Lys Val Arg Leu
20 25 30
Thr Glu Val Asn Trp Pro Arg Val Pro Gln Leu Val Ser Ala Glu Val
35 40 45
Gly Xaa His Asn Gln Ile Cys Ser Ala Xaa Asn Leu Cys Gln Ile Ser

50

55

60

Ser Lys Val Leu Gln Arg Ala Arg His Val Tyr Phe Ile Pro Ile
65 70 75

<210> 1150

<211> 138

<212> PRT

<213> Homo sapiens

<400> 1150

His Ser Glu Ile Gln Ser Val Cys Leu Thr Arg Leu Phe Asp Phe Lys
1 5 10 15

Ile Phe Cys Arg Lys Cys Phe Glu Asn Phe Glu Tyr Leu Lys Met Ala
20 25 30

Gly Val Val Leu His Phe Ala Ser Cys Ser Asp Thr Leu Phe Tyr Leu
35 40 45

Tyr Arg Tyr Ser Glu Phe Leu Phe Phe Ser Thr Cys Cys Thr Leu Ser
50 55 60

Lys Ala Lys Arg Lys Leu Ile Leu Gly Ser Arg Lys Ala Glu Ala Phe
65 70 75 80

Gly Glu Met Glu Thr Arg Met Cys Lys Asn Glu Thr Thr Thr Ser Arg
85 90 95

Ile Lys Lys Lys Lys Cys Gln Ser Ser Arg Val Leu Ser Asp Val Gln
100 105 110

Glu Gly Gly Gly Ile Ile Phe Met Glu His Ile Leu Trp Asn Thr Ala
115 120 125

Ile Arg Met Ser Glu Lys Leu Ile Cys Ser
130 135

<210> 1151

<211> 489

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (18)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1151

Arg	Pro	Arg	Thr	Arg	Ala	Pro	Arg	Gly	Ala	Arg	Ser	Ala	Cys	Thr	Arg
1				5				10						15	
Gly	Xaa	Arg	Arg	Arg	Pro	Val	Pro	Ser	Leu	Lys	Val	Leu	Ser	Pro	Phe
			20					25					30		
Ala	Val	Val	Gln	Met	Arg	Lys	Lys	Trp	Lys	Met	Gly	Gly	Met	Lys	Tyr
		35					40					45			
Ile	Phe	Ser	Leu	Leu	Phe	Phe	Leu	Leu	Leu	Glu	Gly	Gly	Lys	Thr	Glu
	50					55					60				
Gln	Val	Lys	His	Ser	Glu	Thr	Tyr	Cys	Met	Phe	Gln	Asp	Lys	Lys	Tyr
65					70					75					80
Arg	Val	Gly	Glu	Arg	Trp	His	Pro	Tyr	Leu	Glu	Pro	Tyr	Gly	Leu	Val
				85					90					95	
Tyr	Cys	Val	Asn	Cys	Ile	Cys	Ser	Glu	Asn	Gly	Asn	Val	Leu	Cys	Ser
			100					105					110		
Arg	Val	Arg	Cys	Pro	Asn	Val	His	Cys	Leu	Ser	Pro	Val	His	Ile	Pro
		115					120					125			
His	Leu	Cys	Cys	Pro	Arg	Cys	Pro	Glu	Asp	Ser	Leu	Pro	Pro	Val	Asn
	130					135					140				
Asn	Lys	Val	Thr	Ser	Lys	Ser	Cys	Glu	Tyr	Asn	Gly	Thr	Thr	Tyr	Gln
145					150					155					160
His	Gly	Glu	Leu	Phe	Val	Ala	Glu	Gly	Leu	Phe	Gln	Asn	Arg	Gln	Pro
			165						170					175	
Asn	Gln	Cys	Thr	Gln	Cys	Ser	Cys	Ser	Glu	Gly	Asn	Val	Tyr	Cys	Gly
			180					185					190		
Leu	Lys	Thr	Cys	Pro	Lys	Leu	Thr	Cys	Ala	Phe	Pro	Val	Ser	Val	Pro
		195					200					205			
Asp	Ser	Cys	Cys	Arg	Val	Cys	Arg	Gly	Asp	Gly	Glu	Leu	Ser	Trp	Glu
	210					215					220				
His	Ser	Asp	Gly	Asp	Ile	Phe	Arg	Gln	Pro	Ala	Asn	Arg	Glu	Ala	Arg
225					230					235					240
His	Ser	Tyr	His	Arg	Ser	His	Tyr	Asp	Pro	Pro	Pro	Ser	Arg	Gln	Ala
				245					250					255	
Gly	Gly	Leu	Ser	Arg	Phe	Pro	Gly	Ala	Arg	Ser	His	Arg	Gly	Ala	Leu

260 265 270
Met Asp Ser Gln Gln Ala Ser Gly Thr Ile Val Gln Ile Val Ile Asn
275 280 285
Asn Lys His Lys His Gly Gln Val Cys Val Ser Asn Gly Lys Thr Tyr
290 295 300
Ser His Gly Glu Ser Trp His Pro Asn Leu Arg Ala Phe Gly Ile Val
305 310 315 320
Glu Cys Val Leu Cys Thr Cys Asn Val Thr Lys Gln Glu Cys Lys Lys
325 330 335
Ile His Cys Pro Asn Arg Tyr Pro Cys Lys Tyr Pro Gln Lys Ile Asp
340 345 350
Gly Lys Cys Cys Lys Val Cys Pro Glu Glu Leu Pro Gly Gln Ser Phe
355 360 365
Asp Asn Lys Gly Tyr Phe Cys Gly Glu Glu Thr Met Pro Val Tyr Glu
370 375 380
Ser Val Phe Met Glu Asp Gly Glu Thr Thr Arg Lys Ile Ala Leu Glu
385 390 395 400
Thr Glu Arg Pro Pro Gln Val Glu Val His Val Trp Thr Ile Arg Lys
405 410 415
Gly Ile Leu Gln His Phe His Ile Glu Lys Ile Ser Lys Arg Met Phe
420 425 430
Glu Glu Leu Pro His Phe Lys Leu Val Thr Arg Thr Thr Leu Ser Gln
435 440 445
Trp Lys Ile Phe Thr Glu Gly Glu Ala Gln Ile Ser Gln Met Cys Ser
450 455 460
Ser Arg Val Cys Arg Thr Glu Leu Glu Asp Leu Val Lys Val Leu Tyr
465 470 475 480
Leu Glu Arg Ser Glu Lys Gly His Cys
485

<210> 1152

<211> 48

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (42)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1152

Ile Asn Phe Leu Thr Ile Gly Phe Tyr Gly Val Gly His Asn Phe Trp
1 5 10 15

Leu Tyr Phe Lys Asn Phe Phe Leu Gly Gly Gly Val Leu Gly Ser Gly
20 25 30

His Gln Gly Arg Gly Val Ala Trp Gly Xaa Asp Pro Gly Ala Ser Pro
35 40 45

<210> 1153

<211> 48

<212> PRT

<213> Homo sapiens

<400> 1153

Thr Ile Val Arg Asp Gly Ser Asn Asp Val Ile Cys Glu Asn Ser His
1 5 10 15

His Leu Pro Val Arg Gln Asn Leu Leu Lys Pro Pro Glu Ser Asn Leu
20 25 30

Asp Tyr Ile Arg Pro Phe Phe Thr His Lys Lys Ile Leu Tyr Gly Ile
35 40 45

<210> 1154

<211> 344

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (85)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (88)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (96)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (140)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (314)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1154

Ser	Lys	Lys	Leu	Thr	Arg	Pro	Leu	Val	Met	Lys	Thr	Gly	Arg	Pro	Ala
1				5					10					15	

Gly	Lys	Gly	Ser	Ile	Thr	Ile	Ser	Ala	Glu	Glu	Ile	Lys	Asp	Asn	Arg
		20					25						30		

Val	Val	Leu	Phe	Glu	Met	Glu	Ala	Arg	Lys	Leu	Asp	Asn	Lys	Asp	Leu
		35					40					45			

Phe	Gly	Lys	Ser	Asp	Pro	Tyr	Leu	Glu	Phe	His	Lys	Gln	Thr	Ser	Asp
	50					55					60				

Gly	Asn	Trp	Leu	Met	Val	His	Arg	Thr	Glu	Val	Val	Lys	Asn	Asn	Leu
65					70					75					80

Asn	Pro	Val	Trp	Xaa	Pro	Phe	Xaa	Ile	Ser	Leu	Asn	Ser	Leu	Cys	Xaa
			85						90					95	

Gly	Asp	Met	Asp	Lys	Thr	Ile	Lys	Val	Glu	Cys	Tyr	Asp	Tyr	Asp	Asn
		100					105						110		

Asp	Gly	Ser	His	Asp	Leu	Ile	Gly	Thr	Phe	Gln	Thr	Thr	Met	Thr	Lys
	115						120					125			

Leu	Lys	Glu	Ala	Ser	Arg	Ser	Ser	Pro	Val	Glu	Xaa	Glu	Cys	Ile	Asn
	130					135					140				

Glu	Lys	Lys	Arg	Gln	Lys	Lys	Lys	Ser	Tyr	Lys	Asn	Ser	Gly	Val	Ile
145					150					155					160

Ser	Val	Lys	Gln	Cys	Glu	Ile	Thr	Val	Glu	Cys	Thr	Phe	Leu	Asp	Tyr
-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----

[illegible]

Phe Ile Glu Lys Leu Pro His Ser Pro Cys Leu Leu Phe Ser Ala Met
50 55 60

Pro Gln Gly Ser Glu Leu Ser Thr Thr Asp Ser Cys Gly Phe Ser Glu
65 70 75 80

Ala Ala His Cys Gln Gly Gln Ala Glu Arg Gly Pro Ala Cys Cys Gly
85 90 95

Gly Cys Leu Ala Gln Met Ser Ile Tyr Leu Pro Pro Ser His Leu Ala
100 105 110

Ser Cys Pro Leu Asp Met Cys Cys
115 120

<210> 1156

<211> 469

<212> PRT

<213> Homo sapiens

<400> 1156

Gly Gly Trp Arg Trp Lys Leu Arg Glu Ser Gly Ala Ile Ala Pro Arg
1 5 10 15

Asp Ser Gln Ser Arg Pro Leu Gln Ser Leu Arg Gln Leu Ala Leu Arg
20 25 30

Val Gly Val Ala Pro Ala Ala Ala Met Ser Gly Gly Val Tyr Gly Gly
35 40 45

Asp Glu Val Gly Ala Leu Val Phe Asp Ile Gly Ser Tyr Thr Val Arg
50 55 60

Ala Gly Tyr Ala Gly Glu Asp Cys Pro Lys Val Asp Phe Pro Thr Ala
65 70 75 80

Ile Gly Met Val Val Glu Arg Asp Asp Gly Ser Thr Leu Met Glu Ile
85 90 95

Asp Gly Asp Lys Gly Lys Gln Gly Gly Pro Thr Tyr Tyr Ile Asp Thr
100 105 110

Asn Ala Leu Arg Val Pro Arg Glu Asn Met Glu Ala Ile Ser Pro Leu
115 120 125

Lys Asn Gly Met Val Glu Asp Trp Asp Ser Phe Gln Ala Ile Leu Asp
130 135 140

His Thr Tyr Lys Met His Val Lys Ser Glu Ala Ser Leu His Pro Val
 145 150 155 160

Leu Met Ser Glu Ala Pro Trp Asn Thr Arg Ala Lys Arg Glu Lys Leu
 165 170 175

Thr Glu Leu Met Phe Glu His Tyr Asn Ile Pro Ala Phe Phe Leu Cys
 180 185 190

Lys Thr Ala Val Leu Thr Ala Phe Ala Asn Gly Arg Ser Thr Gly Leu
 195 200 205

Ile Leu Asp Ser Gly Ala Thr His Thr Thr Ala Ile Pro Val His Asp
 210 215 220

Gly Tyr Val Leu Gln Gln Gly Ile Val Lys Ser Pro Leu Ala Gly Asp
 225 230 235 240

Phe Ile Thr Met Gln Cys Arg Glu Leu Phe Gln Glu Met Asn Ile Glu
 245 250 255

Leu Val Pro Pro Tyr Met Ile Ala Ser Lys Glu Ala Val Arg Glu Gly
 260 265 270

Ser Pro Ala Asn Trp Lys Arg Lys Glu Lys Leu Pro Gln Val Thr Arg
 275 280 285

Ser Trp His Asn Tyr Met Cys Asn Cys Val Ile Gln Asp Phe Gln Ala
 290 295 300

Ser Val Leu Gln Val Ser Asp Ser Thr Tyr Asp Glu Gln Val Ala Ala
 305 310 315 320

Gln Met Pro Thr Val His Tyr Glu Phe Pro Asn Gly Tyr Asn Cys Asp
 325 330 335

Phe Gly Ala Glu Arg Leu Lys Ile Pro Glu Gly Leu Phe Asp Pro Ser
 340 345 350

Asn Val Lys Gly Leu Ser Gly Asn Thr Met Leu Gly Val Ser His Val
 355 360 365

Val Thr Thr Ser Val Gly Met Cys Asp Ile Asp Ile Arg Pro Gly Leu
 370 375 380

Tyr Gly Ser Val Ile Val Ala Gly Gly Asn Thr Leu Ile Gln Ser Phe
 385 390 395 400

Thr Asp Arg Leu Asn Arg Glu Leu Ser Gln Lys Thr Pro Pro Ser Met
 405 410 415

Arg Leu Lys Leu Ile Ala Asn Asn Thr Thr Val Glu Arg Arg Phe Ser
420 425 430

Ser Trp Ile Gly Gly Ser Ile Leu Ala Ser Leu Gly Thr Phe Gln Gln
435 440 445

Met Trp Ile Ser Lys Gln Glu Tyr Glu Glu Gly Gly Lys Gln Cys Val
450 455 460

Glu Arg Lys Cys Pro
465

<210> 1157

<211> 94

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (19)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (49)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1157

Thr Ala Leu Cys Pro Arg Ile His Glu Val Pro Leu Leu Glu Pro Leu
1 5 10 15

Val Cys Xaa Lys Ile Ala Gln Glu Arg Leu Thr Val Leu Leu Phe Leu
20 25 30

Glu Asp Cys Ile Ile Thr Ala Cys Gln Glu Gly Leu Ile Cys Thr Trp
35 40 45

Xaa Arg Pro Gly Lys Ala Phe Thr Asp Glu Glu Thr Glu Ala Gln Thr
50 55 60

Gly Glu Gly Ser Trp Pro Arg Ser Pro Ser Lys Ser Val Val Glu Gly
65 70 75 80

Ile Ser Ser Gln Pro Gly Asn Ser Pro Ser Gly Thr Val Val
85 90

<210> 1158

<211> 114
<212> PRT
<213> Homo sapiens

<400> 1158
Leu Ser Pro Gln Trp Thr His Leu Leu Val Lys Gly Ala Val Val Leu
1 5 10 15
Cys Gly Ser Gln Phe Thr Ser Phe Pro Lys Ile Gln Cys Asp His Pro
20 25 30
Val Asn Gly His Thr Ser Ser Glu Ile Asn Phe Gln Asn Leu Cys Ser
35 40 45
Ser Ser Tyr Pro Leu Arg Val Ile Met Ala Asn Lys Gln Lys Ala Leu
50 55 60
Val Gln Ala Pro Pro Asn Thr Leu Asn Leu Asn Leu Asn Met Leu Lys
65 70 75 80
Phe Glu Asn Lys Glu Thr Phe Phe Ile Ser Leu Ser Gly Leu Ser Leu
85 90 95
Val Leu Met Gly Leu Leu Met Ala Phe Gln Ser Val Ala Glu Ala Ile
100 105 110

Ile Phe

<210> 1159
<211> 155
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (43)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (46)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1159
Pro Trp Gly Ala Trp Arg Gln Gly Ala Arg Ala Ala Gln Ser Pro Phe
1 5 10 15
Ser Ile Pro Asn Ser Ser Ser Val Pro Tyr Gly Ser Gln Asp Ser Val

20 25 30
His Ser Ser Pro Glu Asp Gly Gly Gly Gly Xaa Asp Arg Xaa Gly Gly
35 40 45
Thr Gly Gly Pro Arg Leu Val Ile Gly Ser Leu Pro Ala His Leu Ser
50 55 60
Pro His Met Phe Gly Gly Phe Lys Cys Pro Val Cys Ser Lys Phe Val
65 70 75 80
Ser Ser Asp Glu Met Asp Leu His Leu Val Met Cys Leu Thr Lys Pro
85 90 95
Arg Ile Thr Tyr Asn Glu Asp Val Leu Ser Lys Asp Ala Gly Glu Cys
100 105 110
Ala Ile Cys Leu Glu Glu Leu Gln Gln Gly Asp Thr Ile Ala Arg Leu
115 120 125
Pro Cys Leu Cys Ile Tyr His Lys Gly Cys Ile Asp Glu Trp Phe Glu
130 135 140
Val Asn Arg Ser Cys Pro Glu His Pro Ser Asp
145 150 155

<210> 1160
<211> 337
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (38)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (46)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (155)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (169)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1160

Cys Leu Gly Cys Lys Pro Asp Gln Pro Leu Arg Ala Glu Gly Arg Leu
1 5 10 15

Leu Ala Pro Ser Gly Asn Pro Ala Pro Ser Pro Gly Ser Glu Arg Leu
20 25 30

Ala Gly Asp Asp Thr Xaa Ser Ala Pro Ala Ala Pro Ser Xaa Gly Cys
35 40 45

Gly Lys Arg Arg Glu Ser Asp Ala Gly Ala Gly Gly Glu Arg Ala Ser
50 55 60

Val Arg Thr Gly Ser Gly Arg Arg Gly Gly Ala Asn His Gly Arg Gly
65 70 75 80

Gln Arg Ala Asp Pro Ala Glu Pro Pro Ala Ala Gln Arg Arg Arg Ala
85 90 95

Leu Pro Tyr Arg Arg His Gly Gly Thr Ala Ser Gly Lys Ser Ser Val
100 105 110

Cys Ala Lys Ile Val Gln Leu Leu Gly Gln Asn Glu Val Asp Tyr Arg
115 120 125

Gln Lys Gln Val Val Ile Leu Ser Gln Asp Ser Phe Tyr Arg Val Leu
130 135 140

Thr Ser Glu Gln Lys Ala Lys Ala Leu Lys Xaa Gln Phe Asn Phe Asp
145 150 155 160

His Pro Asp Ala Phe Asp Asn Glu Xaa Ile Leu Lys Thr Leu Lys Glu
165 170 175

Ile Thr Glu Gly Lys Thr Val Gln Ile Pro Val Tyr Asp Phe Val Ser
180 185 190

His Ser Arg Lys Glu Glu Thr Val Thr Val Tyr Pro Ala Asp Val Val
195 200 205

Leu Phe Glu Gly Ile Leu Ala Phe Tyr Ser Gln Glu Val Arg Asp Leu
210 215 220

Phe Gln Met Lys Leu Phe Val Asp Thr Asp Ala Asp Thr Arg Leu Ser
225 230 235 240

Arg Arg Val Leu Arg Asp Ile Ser Glu Arg Gly Arg Asp Leu Glu Gln
245 250 255

Ile Leu Ser Gln Tyr Ile Thr Phe Val Lys Pro Ala Phe Glu Glu Phe
260 265 270

Cys Leu Pro Thr Lys Lys Tyr Ala Asp Val Ile Ile Pro Arg Gly Ala
275 280 285

Asp Asn Leu Val Ala Ile Asn Leu Ile Val Gln His Ile Gln Asp Ile
290 295 300

Leu Asn Gly Gly Pro Ser Lys Arg Gln Thr Asn Gly Cys Leu Asn Gly
305 310 315 320

Tyr Thr Pro Ser Arg Lys Arg Gln Ala Ser Glu Ser Ser Ser Arg Pro
325 330 335

His

<210> 1161

<211> 330

<212> PRT

<213> Homo sapiens

<400> 1161

Ala Arg Gly Met Phe Gly Leu Gly Asn Glu Phe Lys Pro Leu Asn Val
1 5 10 15

Gln Glu Arg Glu Ala Gln Phe Gly Thr Thr Ala Glu Ile Tyr Ala Tyr
20 25 30

Arg Glu Glu Gln Asp Phe Gly Ile Glu Ile Val Lys Val Lys Ala Ile
35 40 45

Gly Arg Gln Arg Phe Lys Val Leu Glu Leu Arg Thr Gln Ser Asp Gly
50 55 60

Ile Gln Gln Ala Lys Val Gln Ile Leu Pro Glu Cys Val Leu Pro Ser
65 70 75 80

Thr Met Ser Ala Val Gln Leu Glu Ser Leu Asn Lys Cys Gln Ile Phe
85 90 95

Pro Ser Lys Pro Val Ser Arg Glu Asp Gln Cys Ser Tyr Lys Trp Trp
100 105 110

Gln Lys Tyr Gln Lys Arg Lys Phe His Cys Ala Asn Leu Thr Ser Trp
115 120 125

Pro Arg Trp Leu Tyr Ser Leu Tyr Asp Ala Glu Thr Leu Met Asp Arg

130 135 140
Ile Lys Lys Gln Leu Arg Glu Trp Asp Glu Asn Leu Lys Asp Asp Ser
145 150 155 160
Leu Pro Ser Asn Pro Ile Asp Phe Ser Tyr Arg Val Ala Ala Cys Leu
165 170 175
Pro Ile Asp Asp Val Leu Arg Ile Gln Leu Leu Lys Ile Gly Ser Ala
180 185 190
Ile Gln Arg Leu Arg Cys Glu Leu Asp Ile Met Asn Lys Cys Thr Ser
195 200 205
Leu Cys Cys Lys Gln Cys Gln Glu Thr Glu Ile Thr Thr Lys Asn Glu
210 215 220
Ile Phe Ser Leu Ser Leu Cys Gly Pro Met Ala Ala Tyr Val Asn Pro
225 230 235 240
His Gly Tyr Val His Glu Thr Leu Thr Val Tyr Lys Ala Cys Asn Leu
245 250 255
Asn Leu Ile Gly Arg Pro Ser Thr Glu His Ser Trp Phe Pro Gly Tyr
260 265 270
Ala Trp Thr Val Ala Gln Cys Lys Ile Cys Ala Ser His Ile Gly Trp
275 280 285
Lys Phe Thr Ala Thr Lys Lys Asp Met Ser Pro Gln Lys Phe Trp Gly
290 295 300
Leu Thr Arg Ser Ala Leu Leu Pro Thr Ile Pro Asp Thr Glu Asp Glu
305 310 315 320
Ile Ser Pro Asp Lys Val Ile Leu Cys Leu
325 330

<210> 1162

<211> 165

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (144)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (148)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (153)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (165)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1162

Cys	Arg	Lys	Thr	Ala	Gln	Pro	Thr	Ala	Ala	Glu	Met	Lys	Tyr	Lys	Asn
1				5				10						15	

Leu	Met	Ala	Arg	Ala	Leu	Tyr	Asp	Asn	Val	Pro	Glu	Cys	Ala	Glu	Glu
			20					25					30		

Leu	Ala	Phe	Arg	Lys	Gly	Asp	Ile	Leu	Thr	Val	Ile	Glu	Gln	Asn	Thr
	35						40					45			

Gly	Gly	Leu	Glu	Gly	Trp	Trp	Leu	Cys	Ser	Leu	His	Gly	Arg	Gln	Gly
	50					55					60				

Ile	Val	Pro	Gly	Asn	Arg	Val	Lys	Leu	Leu	Ile	Gly	Pro	Met	Gln	Glu
65				70						75				80	

Thr	Ala	Ser	Ser	His	Glu	Gln	Pro	Ala	Ser	Gly	Leu	Met	Gln	Gln	Thr
				85					90					95	

Phe	Gly	Gln	Gln	Lys	Leu	Tyr	Gln	Val	Pro	Asn	Pro	Thr	Gly	Leu	Leu
			100					105					110		

Pro	Pro	Arg	His	Pro	Phe	Leu	Pro	Lys	Val	Pro	Thr	Leu	Ser	Leu	Thr
		115					120					125			

Gln	Lys	Ile	Lys	Gly	Glu	Ile	Phe	Thr	Gln	Arg	Phe	Pro	Gln	Leu	Xaa
	130					135					140				

Ala	Gln	Arg	Xaa	Thr	Pro	Lys	Gly	Xaa	Lys	Gly	Gly	Val	Leu	Phe	Arg
145					150				155					160	

Val	Ala	Pro	Pro	Xaa
				165

<210> 1163

<211> 195
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (186)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 1163

Phe	Leu	Asn	Arg	Glu	Leu	Ile	Val	Lys	Ser	Ser	Met	Ala	Thr	Gly	Gly	1	5	10	15
Gly	Pro	Phe	Glu	Asp	Gly	Met	Asn	Asp	Gln	Asp	Leu	Pro	Asn	Trp	Ser	20	25	30	
Asn	Glu	Asn	Val	Asp	Asp	Arg	Leu	Asn	Asn	Met	Asp	Trp	Gly	Ala	Gln	35	40	45	
Gln	Lys	Lys	Ala	Asn	Arg	Ser	Ser	Glu	Lys	Asn	Lys	Lys	Lys	Phe	Gly	50	55	60	
Val	Glu	Ser	Asp	Lys	Arg	Val	Thr	Asn	Asp	Ile	Ser	Pro	Glu	Ser	Ser	65	70	75	80
Pro	Gly	Val	Gly	Arg	Arg	Arg	Thr	Lys	Thr	Pro	His	Thr	Phe	Pro	His	85	90	95	
Ser	Arg	Tyr	Met	Ser	Gln	Met	Ser	Val	Pro	Glu	Gln	Ala	Glu	Leu	Glu	100	105	110	
Lys	Leu	Lys	Gln	Arg	Ile	Asn	Phe	Ser	Asp	Leu	Asp	Gln	Arg	Ser	Ile	115	120	125	
Gly	Ser	Asp	Ser	Gln	Gly	Arg	Ala	Thr	Ala	Ala	Asn	Asn	Lys	Arg	Gln	130	135	140	
Leu	Ser	Glu	Asn	Arg	Lys	Pro	Phe	Asn	Phe	Leu	Pro	Met	Gln	Ile	Asn	145	150	155	160
Thr	Asn	Lys	Glu	Gln	Arg	Cys	Ile	Leu	Gln	Val	Pro	Gln	Thr	Glu	Glu	165	170	175	
Thr	Val	Gly	Phe	Ser	Thr	Val	Leu	Lys	Xaa	Cys	Phe	Ala	Phe	Trp	Phe	180	185	190	
Leu	Ser	Asn														195			

<210> 1164

<211> 300

<212> PRT

<213> Homo sapiens

<400> 1164

Arg Arg Pro Ser Ala Arg Arg Glu Leu Gly Lys Gly Arg Gln Arg Arg
1 5 10 15

Arg Arg Gln Arg Gln Arg Gln Ser Pro Val Pro Arg Pro Ser Asp Arg
20 25 30

Pro Ala Gly Leu Gly Leu Ala Lys Pro Ala Arg Arg Ala Leu Pro Thr
35 40 45

Pro Glu Pro Gly Arg Lys Ser Ser Asp Ser Ser Leu Ala Ser Pro Gly
50 55 60

Ala Ala Leu Gln Thr Gly Pro Val Val Arg Gly Ser Gly Ala Asp Pro
65 70 75 80

Glu Ala Gly Phe Ala Gln Pro Pro Thr Arg Ala Gly Pro Leu Glu Gly
85 90 95

Ala Phe Asn Ser Arg Thr Arg Gln Ala Thr Met Thr Glu Asn Ser Thr
100 105 110

Ser Ala Pro Ala Ala Lys Pro Lys Arg Ala Lys Ala Ser Lys Lys Ser
115 120 125

Thr Asp His Pro Lys Tyr Ser Asp Met Ile Val Ala Ala Ile Gln Ala
130 135 140

Glu Lys Asn Arg Ala Gly Ser Ser Arg Gln Ser Ile Gln Lys Tyr Ile
145 150 155 160

Lys Ser His Tyr Lys Val Gly Glu Asn Ala Asp Ser Gln Ile Lys Leu
165 170 175

Ser Ile Lys Arg Leu Val Thr Thr Gly Val Leu Lys Gln Thr Lys Gly
180 185 190

Val Gly Ala Ser Gly Ser Phe Arg Leu Ala Lys Ser Asp Glu Pro Lys
195 200 205

Lys Ser Val Ala Phe Lys Lys Thr Lys Lys Glu Ile Lys Lys Val Ala
210 215 220

Thr Pro Lys Lys Ala Ser Lys Pro Lys Lys Ala Ala Ser Lys Ala Pro
225 230 235 240

Thr Lys Lys Pro Lys Ala Thr Pro Val Lys Lys Ala Lys Lys Lys Leu
 245 250 255
 Ala Ala Thr Pro Lys Lys Ala Lys Lys Pro Lys Thr Val Lys Ala Lys
 260 265 270
 Pro Val Lys Ala Ser Lys Pro Lys Lys Ala Lys Pro Val Lys Pro Lys
 275 280 285
 Ala Lys Ser Ser Ala Lys Arg Ala Gly Lys Lys Lys
 290 295 300

<210> 1165
 <211> 150
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (115)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 1165
 Ser Thr His Ala Ser Ala His Ala Ser Gly Lys Gln Glu Ile Val Asp
 1 5 10 15
 Pro Pro Ser Lys Met Glu Asp Gly Lys Pro Val Trp Ala Pro His Pro
 20 25 30
 Thr Asp Gly Phe Gln Met Gly Asn Ile Val Asp Ile Gly Pro Asp Ser
 35 40 45
 Leu Thr Ile Glu Pro Leu Asn Gln Lys Gly Lys Thr Phe Leu Ala Leu
 50 55 60
 Ile Asn Gln Val Phe Pro Ala Glu Glu Asp Ser Lys Lys Asp Val Glu
 65 70 75 80
 Asp Asn Cys Ser Leu Met Tyr Leu Asn Glu Ala Thr Leu Leu His Asn
 85 90 95
 Ile Lys Val Arg Tyr Ser Lys Asp Arg Ile Tyr Thr Tyr Val Ala Asn
 100 105 110
 Ile Leu Xaa Ala Val Asn Pro Tyr Phe Asp Ile Pro Lys Ile Tyr Leu
 115 120 125
 Gln Ser Ile Lys Ser Tyr Gln Gly Lys Ser Leu Gly Thr Arg Pro Pro
 130 135 140

Pro Gly Leu Cys Asn Cys
145 150

<210> 1166

<211> 84

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (38)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1166

Ala Ile Trp Pro Leu Arg Gly Leu Leu Arg Tyr Arg Gln Phe Cys Gly
1 5 10 15

Ala Ala Ser Ala Ala Pro Arg Arg Ser Asn Met Leu Arg Ile Pro Leu
20 25 30

Arg Arg Ala Leu Val Xaa Leu Ser Asn Lys Ser Ser Lys Gly Cys Val
35 40 45

Arg Thr Thr Ala Thr Ala Ala Ser Asn Leu Ile Glu Val Phe Val Asp
50 55 60

Gly Gln Ser Val Met Val Glu Pro Gly Thr Thr Val Leu Gln Ala Cys
65 70 75 80

Glu Lys Val Gly

<210> 1167

<211> 348

<212> PRT

<213> Homo sapiens

<400> 1167

Leu Ile Phe Cys Gly Cys Trp Leu Phe Ala Ser Leu Thr Val Met Glu
1 5 10 15

Ala Ala His Phe Phe Glu Gly Thr Glu Lys Leu Leu Glu Val Trp Phe
20 25 30

Ser Arg Gln Gln Pro Asp Ala Asn Gln Gly Ser Gly Asp Leu Arg Thr
35 40 45

Ile Pro Arg Ser Glu Trp Asp Ile Leu Leu Lys Asp Val Gln Cys Ser
50 55 60

Ile Ile Ser Val Thr Lys Thr Asp Lys Gln Glu Ala Tyr Val Leu Ser
65 70 75 80

Glu Ser Ser Met Phe Val Ser Lys Arg Arg Phe Ile Leu Lys Thr Cys
85 90 95

Gly Thr Thr Leu Leu Leu Lys Ala Leu Val Pro Leu Leu Lys Leu Ala
100 105 110

Arg Asp Tyr Ser Gly Phe Asp Ser Ile Gln Ser Phe Phe Tyr Ser Arg
115 120 125

Lys Asn Phe Met Lys Pro Ser His Gln Gly Tyr Pro His Arg Asn Phe
130 135 140

Gln Glu Glu Ile Glu Phe Leu Asn Ala Ile Phe Pro Asn Gly Ala Ala
145 150 155 160

Tyr Cys Met Gly Arg Met Asn Ser Asp Cys Trp Tyr Leu Tyr Thr Leu
165 170 175

Asp Phe Pro Glu Ser Arg Val Ile Ser Gln Pro Asp Gln Thr Leu Glu
180 185 190

Ile Leu Met Ser Glu Leu Asp Pro Ala Val Met Asp Gln Phe Tyr Met
195 200 205

Lys Asp Gly Val Thr Ala Lys Asp Val Thr Arg Glu Ser Gly Ile Arg
210 215 220

Asp Leu Ile Pro Gly Ser Val Ile Asp Ala Thr Met Phe Asn Pro Cys
225 230 235 240

Gly Tyr Ser Met Asn Gly Met Lys Ser Asp Gly Thr Tyr Trp Thr Ile
245 250 255

His Ile Thr Pro Glu Pro Glu Phe Ser Tyr Val Ser Phe Glu Thr Asn
260 265 270

Leu Ser Gln Thr Ser Tyr Asp Asp Leu Ile Arg Lys Val Val Glu Val
275 280 285

Phe Lys Pro Gly Lys Phe Val Thr Thr Leu Phe Val Asn Gln Ser Ser
290 295 300

Lys Cys Arg Thr Val Leu Ala Ser Pro Gln Lys Ile Glu Gly Phe Lys
305 310 315 320

Arg Leu Asp Cys Gln Ser Ala Met Phe Asn Asp Tyr Asn Phe Val Phe
 325 330 335

Thr Ser Phe Ala Lys Lys Gln Gln Gln Gln Ser
 340 345

<210> 1168

<211> 90

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (19)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1168

Ser Ser Gln Arg Leu Gln Gly Arg Ala Arg Ala Val Leu Ser Pro Pro
 1 5 10 15

Ala Pro Xaa Ser Asn Val Gly Thr Gly Glu Lys Lys Val Thr Glu Ala
 20 25 30

Trp Ile Ser Glu Asp Glu Asn Ser His Arg Thr Thr Ser Asp Arg Leu
 35 40 45

Thr Val Met Glu Leu Pro Ser Pro Glu Ser Glu Glu Val His Glu Pro
 50 55 60

Arg Leu Gly Glu Leu Leu Gly Asn Pro Glu Gly Gln Ser Leu Gly Ser
 65 70 75 80

Ser Pro Ser Gln Asp Arg Gly Cys Asn Arg
 85 90

<210> 1169

<211> 277

<212> PRT

<213> Homo sapiens

<400> 1169

Arg Ser Thr Arg Trp Arg Pro Lys Val Met Trp His Leu Leu Arg Arg
 1 5 10 15

Tyr Met Ala Ser Arg Leu His Ser Leu Arg Met Gly Gly Tyr Leu Phe
 20 25 30

Ser Gly Ser Gln Ala Pro Gln Leu Ser Pro Ala Leu Leu Arg Ala Leu
35 40 45

Gly Gln Lys Cys Pro Asn Leu Lys Arg Leu Cys Leu His Val Ala Asp
50 55 60

Leu Ser Met Val Pro Ile Thr Ser Leu Pro Ser Thr Leu Arg Thr Leu
65 70 75 80

Glu Leu His Ser Cys Glu Ile Ser Met Ala Trp Leu His Lys Gln Gln
85 90 95

Asp Pro Thr Val Leu Pro Leu Leu Glu Cys Ile Val Leu Asp Arg Val
100 105 110

Pro Ala Phe Arg Asp Glu His Leu Gln Gly Leu Thr Arg Phe Arg Ala
115 120 125

Leu Arg Ser Leu Val Leu Gly Gly Thr Tyr Arg Val Thr Glu Thr Gly
130 135 140

Leu Asp Ala Gly Leu Gln Glu Leu Ser Tyr Leu Gln Arg Leu Glu Val
145 150 155 160

Leu Gly Cys Thr Leu Ser Ala Asp Ser Thr Leu Leu Ala Ile Ser Arg
165 170 175

His Leu Pro Arg Cys Ala Gln Asp Pro Ala Asp Arg Glu Gly Leu Ser
180 185 190

Ala Pro Gly Leu Ala Val Leu Glu Gly Met Pro Ala Leu Glu Ser Leu
195 200 205

Cys Leu Gln Gly Pro Leu Val Thr Pro Glu Met Pro Ser Pro Thr Glu
210 215 220

Ile Leu Ser Ser Cys Leu Thr Met Pro Lys Leu Arg Val Leu Glu Leu
225 230 235 240

Gln Gly Leu Gly Trp Glu Gly Gln Glu Ala Glu Lys Ile Leu Cys Lys
245 250 255

Gly Leu Pro His Cys Met Val Ile Val Arg Ala Cys Pro Lys Glu Ser
260 265 270

Met Asp Trp Trp Met
275

<210> 1170
 <211> 489
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (349)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (351)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (356)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (362)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 1170
 Thr Arg Val Phe Lys Glu Leu Glu Asn Thr Gly Lys Leu Ile Cys Ser
 1 5 10 15
 Pro Thr His Ile Asp Arg Val Arg Leu Phe Leu Met Gln Leu Arg Lys
 20 25 30
 Met Gln Thr Val Lys Lys Glu Gln Ala Ser Leu Asp Ala Ser Ser Asn
 35 40 45
 Val Asp Lys Met Met Val Leu Asn Ser Ala Leu Thr Glu Val Ser Glu
 50 55 60
 Asp Ser Thr Thr Gly Glu Glu Leu Leu Leu Ser Glu Gly Ser Val Gly
 65 70 75 80
 Lys Asn Lys Ser Ser Ala Cys Arg Arg Lys Arg Glu Phe Ile Pro Asp
 85 90 95
 Glu Lys Lys Asp Ala Met Tyr Trp Glu Lys Arg Arg Lys Asn Asn Glu
 100 105 110
 Ala Ala Lys Arg Ser Arg Glu Lys Arg Arg Leu Asn Asp Leu Val Leu
 115 120 125
 Glu Asn Lys Leu Ile Ala Leu Gly Glu Glu Asn Ala Thr Leu Lys Ala

130	135	140
Glu Leu Leu Ser Leu Lys Leu Lys Phe Gly Leu Ile Ser Ser Thr Ala		
145	150	155 160
Tyr Ala Gln Glu Ile Gln Lys Leu Ser Asn Ser Thr Ala Val Tyr Phe		
	165	170 175
Gln Asp Tyr Gln Thr Ser Lys Ser Asn Val Ser Ser Phe Val Asp Glu		
	180	185 190
His Glu Pro Ser Met Val Ser Ser Ser Cys Ile Ser Val Ile Lys His		
	195	200 205
Ser Pro Gln Ser Ser Leu Ser Asp Val Ser Glu Val Ser Ser Val Glu		
	210	215 220
His Thr Gln Glu Ser Ser Val Gln Gly Ser Cys Arg Ser Pro Glu Asn		
225	230	235 240
Lys Phe Gln Ile Ile Lys Gln Glu Pro Met Glu Leu Glu Ser Tyr Thr		
	245	250 255
Arg Glu Pro Arg Asp Asp Arg Gly Ser Tyr Thr Ala Ser Ile Tyr Gln		
	260	265 270
Asn Tyr Met Gly Asn Ser Phe Ser Gly Tyr Ser His Ser Pro Pro Leu		
	275	280 285
Leu Gln Val Asn Arg Ser Ser Ser Asn Ser Pro Arg Thr Ser Glu Thr		
	290	295 300
Asp Asp Gly Val Val Gly Lys Ser Ser Asp Gly Glu Asp Glu Gln Gln		
305	310	315 320
Val Pro Lys Gly Pro Ile His Ser Pro Val Glu Leu Lys His Val His		
	325	330 335
Ala Thr Val Val Lys Val Pro Glu Val Asn Ser Ser Xaa Leu Xaa His		
	340	345 350
Lys Leu Arg Xaa Lys Ala Lys Ala Met Xaa Ile Lys Val Glu Ala Phe		
	355	360 365
Asp Asn Glu Phe Glu Ala Thr Gln Lys Leu Ser Ser Pro Ile Asp Met		
	370	375 380
Thr Ser Lys Arg His Phe Glu Leu Glu Lys His Ser Ala Pro Ser Met		
385	390	395 400
Val His Ser Ser Leu Thr Pro Phe Ser Val Gln Val Thr Asn Ile Gln		

405 410 415
Asp Trp Ser Leu Lys Ser Glu His Trp His Gln Lys Glu Leu Ser Gly
420 425 430
Lys Thr Gln Asn Ser Phe Lys Thr Gly Val Val Glu Met Lys Asp Ser
435 440 445
Gly Tyr Lys Val Ser Asp Pro Glu Asn Leu Tyr Leu Lys Gln Gly Ile
450 455 460
Ala Asn Leu Ser Ala Glu Val Val Ser Leu Lys Arg Leu Ile Ala Thr
465 470 475 480
Gln Pro Ile Ser Ala Ser Asp Ser Gly
485

<210> 1171
<211> 49
<212> PRT
<213> Homo sapiens

<400> 1171
Gly Gly Val Thr Lys Arg Gln Ile Leu His Met Ile Pro Leu Val Ile
1 5 10 15
Pro Arg Val Lys Phe Met Glu Thr Glu Ser Arg Lys Val Val Thr Ser
20 25 30
Gly Trp Glu Gly Glu Asn Val Glu Phe Asn Gly Tyr Arg Ile Leu Val
35 40 45
Leu

<210> 1172
<211> 442
<212> PRT
<213> Homo sapiens

<400> 1172
Ala Glu Ala Arg Ala Lys Ala Glu Ala Ala Gly Leu Arg Glu Ala Ala
1 5 10 15
Ala Arg Arg Arg Ser Leu Ser Pro Ala Thr Met Ser Thr Lys Gln Ile
20 25 30

Thr Cys Arg Tyr Phe Met His Gly Val Cys Arg Glu Gly Ser Gln Cys
35 40 45

Leu Phe Ser His Asp Leu Ala Asn Ser Lys Pro Ser Thr Ile Cys Lys
50 55 60

Tyr Tyr Gln Lys Gly Tyr Cys Ala Tyr Gly Thr Arg Cys Arg Tyr Asp
65 70 75 80

His Thr Arg Pro Ser Ala Ala Ala Gly Gly Ala Val Gly Thr Met Ala
85 90 95

His Ser Val Pro Ser Pro Ala Phe His Ser Pro His Pro Pro Ser Glu
100 105 110

Val Thr Ala Ser Ile Val Lys Thr Asn Ser His Glu Pro Gly Lys Arg
115 120 125

Glu Lys Arg Thr Leu Val Leu Arg Asp Arg Asn Leu Ser Gly Met Ala
130 135 140

Glu Arg Lys Thr Gln Pro Ser Met Val Ser Asn Pro Gly Ser Cys Ser
145 150 155 160

Asp Pro Gln Pro Ser Pro Glu Met Lys Pro His Ser Tyr Leu Asp Ala
165 170 175

Ile Arg Ser Gly Leu Asp Asp Val Glu Ala Ser Ser Ser Tyr Ser Asn
180 185 190

Glu Gln Gln Leu Cys Pro Tyr Ala Ala Ala Gly Glu Cys Arg Phe Gly
195 200 205

Asp Ala Cys Phe Tyr Leu His Gly Glu Val Cys Glu Ile Cys Arg Leu
210 215 220

Gln Val Leu His Pro Phe Asp Pro Glu Gln Arg Lys Ala His Glu Lys
225 230 235 240

Ile Cys Met Leu Thr Phe Glu His Glu Met Glu Lys Ala Phe Ala Phe
245 250 255

Gln Ala Ser Gln Asp Lys Val Cys Ser Ile Cys Met Glu Val Ile Leu
260 265 270

Glu Lys Ala Ser Ala Ser Glu Arg Arg Phe Gly Ile Leu Ser Asn Cys
275 280 285

Asn His Thr Tyr Cys Leu Ser Cys Ile Arg Gln Trp Arg Cys Ala Lys
290 295 300

Gln Phe Glu Asn Pro Ile Ile Lys Ser Cys Pro Glu Cys Arg Val Ile
 305 310 315 320
 Ser Glu Phe Val Ile Pro Ser Val Tyr Trp Val Glu Asp Gln Asn Lys
 325 330 335
 Lys Asn Glu Leu Ile Glu Ala Phe Lys Gln Gly Met Gly Lys Lys Ala
 340 345 350
 Cys Lys Tyr Phe Glu Gln Gly Lys Gly Thr Cys Pro Phe Gly Ser Lys
 355 360 365
 Cys Leu Tyr Arg His Ala Tyr Pro Asp Gly Arg Leu Ala Glu Pro Glu
 370 375 380
 Lys Pro Arg Lys Gln Leu Ser Ser Gln Gly Thr Val Arg Phe Phe Asn
 385 390 395 400
 Ser Val Arg Leu Trp Asp Phe Ile Glu Asn Arg Glu Ser Arg His Val
 405 410 415
 Pro Asn Asn Glu Asp Val Asp Met Thr Glu Leu Gly Asp Leu Phe Met
 420 425 430
 His Leu Ser Gly Val Glu Ser Ser Glu Pro
 435 440

<210> 1173

<211> 142

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (9)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (63)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (86)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1173

Leu Glu Phe Trp Leu Leu Cys Leu Xaa Ser Arg His Leu Leu Tyr Gln

1	5	10	15												
Leu	Leu	Trp	Asn	Met	Phe	Ser	Lys	Glu	Val	Glu	Leu	Ala	Asp	Ser	Met
			20					25					30		
Gln	Thr	Leu	Phe	Arg	Gly	Asn	Ser	Leu	Ala	Ser	Lys	Ile	Met	Thr	Phe
		35					40					45			
Cys	Phe	Lys	Val	Tyr	Gly	Ala	Thr	Tyr	Leu	Gln	Lys	Leu	Leu	Xaa	Pro
	50					55					60				
Leu	Leu	Arg	Ile	Val	Ile	Thr	Ser	Ser	Asp	Trp	Gln	His	Val	Ser	Phe
65					70					75					80
Glu	Val	Asp	Pro	Thr	Xaa	Leu	Glu	Pro	Ser	Glu	Ser	Leu	Glu	Glu	Asn
				85					90					95	
Gln	Arg	Asn	Leu	Leu	Gln	Met	Thr	Glu	Lys	Phe	Phe	His	Ala	Ile	Ile
		100						105					110		
Ser	Ser	Ser	Ser	Glu	Phe	Pro	Pro	Gln	Leu	Arg	Ser	Val	Cys	His	Cys
		115					120					125			
Leu	Tyr	Gln	Ala	Thr	Tyr	His	Ser	Leu	Leu	Asn	Lys	Ala	Thr		
	130					135					140				

<210> 1174

<211> 385

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (189)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (313)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1174

Pro	Met	Arg	Arg	Pro	Arg	Gly	Glu	Pro	Gly	Pro	Arg	Ala	Pro	Arg	Pro
1				5					10					15	

Thr	Glu	Gly	Ala	Thr	Cys	Ala	Gly	Pro	Gly	Glu	Ser	Trp	Ser	Pro	Ser
		20						25					30		

Pro Asn Ser Met Leu Arg Val Leu Leu Ser Ala Gln Thr Ser Pro Ala

35	40	45
Arg Leu Ser Gly Leu Leu Leu Ile Pro Pro Val Gln Pro Cys Cys Leu		
50	55	60
Gly Pro Ser Lys Trp Gly Asp Arg Pro Val Gly Gly Gly Pro Ser Ala		
65	70	75 80
Gly Pro Val Gln Gly Leu Gln Arg Leu Leu Glu Gln Ala Lys Ser Pro		
	85 90	95
Gly Glu Leu Leu Arg Trp Leu Gly Gln Asn Pro Ser Lys Val Arg Ala		
	100 105	110
His His Tyr Ser Val Ala Leu Arg Arg Leu Gly Gln Leu Leu Gly Ser		
	115 120	125
Arg Pro Arg Pro Pro Pro Val Glu Gln Val Thr Leu Gln Asp Leu Ser		
	130 135	140
Gln Leu Ile Ile Arg Asn Cys Pro Ser Phe Asp Ile His Thr Ile His		
145	150	155 160
Val Cys Leu His Leu Ala Val Leu Leu Gly Phe Pro Ser Asp Gly Pro		
	165 170	175
Leu Val Cys Ala Leu Glu Gln Glu Arg Arg Leu Ala Xaa Pro Pro Lys		
	180 185	190
Pro Pro Pro Pro Leu Gln Pro Leu Leu Arg Gly Gly Gln Gly Leu Glu		
	195 200	205
Ala Ala Leu Ser Cys Pro Arg Phe Leu Arg Tyr Pro Arg Gln His Leu		
	210 215	220
Ile Ser Ser Leu Ala Glu Ala Arg Pro Glu Glu Leu Thr Pro His Val		
225	230	235 240
Met Val Leu Leu Ala Gln His Leu Ala Arg His Arg Leu Arg Glu Pro		
	245 250	255
Gln Leu Leu Glu Ala Ile Ala His Phe Leu Val Val Gln Glu Thr Gln		
	260 265	270
Leu Ser Ser Lys Val Val Gln Lys Leu Val Leu Pro Phe Gly Arg Leu		
	275 280	285
Asn Tyr Leu Pro Leu Glu Gln Gln Phe Met Pro Cys Leu Glu Arg Ile		
	290 295	300
Leu Ala Arg Glu Ala Gly Val Ala Xaa Leu Ala Thr Val Asn Ile Leu		

305 310 315 320
 Met Ser Leu Cys Gln Leu Arg Cys Leu Pro Phe Arg Ala Leu His Phe
 325 330 335
 Val Phe Ser Pro Gly Phe Ile Asn Tyr Ile Ser Gly Thr Gln Pro Gly
 340 345 350
 Trp Leu Ala Gly Pro Leu Arg Ala Gly Glu Ala Gly Glu Gln Gly Gly
 355 360 365
 Leu Gln Pro Arg Ala Pro Val Pro Ala Ser Pro Gln Ala Pro Leu Met
 370 375 380
 Leu
 385

<210> 1175
 <211> 114
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (50)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 1175
 His Glu Gln Asp Pro Lys Trp Gln Arg Cys Arg Leu Ser Trp Glu Ser
 1 5 10 15
 Glu Pro Leu Trp Leu Phe Gly Arg Leu Met Val Thr Leu Lys Tyr Cys
 20 25 30
 Leu Pro Leu Val Ser Arg Pro Ser Ser Ile Arg Trp Glu Arg Arg Pro
 35 40 45
 Gln Xaa Met Cys Leu Ser Asp His Gly Ala Ser Cys Pro Ala Leu Gly
 50 55 60
 Lys Thr Glu Thr Lys Ser Ser Gln Leu Ala Leu Gly Glu Gly Leu Phe
 65 70 75 80
 Pro Leu Pro Leu Ala His Phe Gln Glu Phe Asp Ser Glu Ser Arg Ala
 85 90 95
 Ala Val Pro Gly Arg Val Cys Thr His Ile Cys Val Gly Arg Lys Lys
 100 105 110

Arg Thr

<210> 1176

<211> 188

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (182)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1176

Gln Arg Leu Glu Ser Gly Asp Cys Ile Gly Val Leu Asp Cys Glu Trp
1 5 10 15

Cys Met Val Asp Ser Asp Gly Lys Thr His Leu Asp Lys Pro Tyr Cys
20 25 30

Ala Pro Gln Lys Glu Cys Phe Gly Gly Ile Val Gly Ala Lys Ser Pro
35 40 45

Tyr Val Asp Asp Met Gly Ala Ile Gly Asp Glu Val Ile Thr Leu Asn
50 55 60

Met Ile Lys Ser Ala Pro Val Gly Pro Val Ala Gly Gly Ile Met Gly
65 70 75 80

Cys Ile Met Val Leu Val Leu Ala Val Tyr Ala Tyr Arg His Gln Ile
85 90 95

His Arg Arg Ser His Gln His Met Ser Pro Leu Ala Ala Gln Glu Met
100 105 110

Ser Val Arg Met Ser Asn Leu Glu Asn Asp Arg Asp Glu Arg Asp Asp
115 120 125

Asp Ser His Glu Asp Arg Gly Ile Ile Ser Asn Thr Arg Phe Ile Ala
130 135 140

Ala Val Ile Glu Arg His Ala His Ser Pro Glu Arg Arg Arg Tyr
145 150 155 160

Trp Gly Arg Ser Gly Thr Glu Ser Asp His Gly Tyr Ser Thr Met Ser
165 170 175

Pro Gln Glu Asp Ser Xaa Lys Ser Ser Met Gln Gln
180 185

<210> 1177
 <211> 95
 <212> PRT
 <213> Homo sapiens

<400> 1177
 His Ile Ala Lys Val Ser Cys Thr Leu Leu Gln Gly Asn Val Ser Phe
 1 5 10 15
 Met Ala Leu Lys His Leu Gly Lys Lys Lys Met Phe Lys Arg Ile Asn
 20 25 30
 Arg Ala Val Val Cys Ile Arg Met Cys Val Ile Cys Val Phe Tyr Lys
 35 40 45
 Leu Ser Ile Gly Gly Phe Arg Val Leu Lys Cys Gln His Ile Pro Ser
 50 55 60
 Pro Phe Val Ser Gln Ala Asn Met Arg Glu Asn Arg Lys Val Leu Ala
 65 70 75 80
 Val Gly Ile Gly Ser Ser Gly Gly Gln Met Ser Leu Pro Asp Pro
 85 90 95

<210> 1178
 <211> 197
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (10)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 1178
 Asn Ser Leu Thr Leu Ala Leu Pro Arg Xaa Thr Thr Ser His Asn Ser
 1 5 10 15
 Leu Thr Thr Pro Cys Tyr Thr Pro Tyr Tyr Val Ala Pro Glu Val Leu
 20 25 30
 Gly Pro Glu Lys Tyr Asp Lys Ser Cys Asp Met Trp Ser Leu Gly Val
 35 40 45
 Ile Met Tyr Ile Leu Leu Cys Gly Tyr Pro Pro Phe Tyr Ser Asn His
 50 55 60

Gly Leu Ala Ile Ser Pro Gly Met Lys Thr Arg Ile Arg Met Gly Gln
65 70 75 80

Tyr Glu Phe Pro Asn Pro Glu Trp Ser Glu Val Ser Glu Glu Val Lys
85 90 95

Met Leu Ile Arg Asn Leu Leu Lys Thr Glu Pro Thr Gln Arg Met Thr
100 105 110

Ile Thr Glu Phe Met Asn His Pro Trp Ile Met Gln Ser Thr Lys Val
115 120 125

Pro Gln Thr Pro Leu His Thr Ser Arg Val Leu Lys Glu Asp Lys Glu
130 135 140

Arg Trp Glu Asp Val Lys Glu Glu Met Thr Ser Ala Leu Ala Thr Met
145 150 155 160

Arg Val Asp Tyr Glu Gln Ile Lys Ile Lys Lys Ile Glu Asp Ala Ser
165 170 175

Asn Pro Leu Leu Leu Lys Arg Arg Lys Lys Ala Arg Ala Leu Glu Ala
180 185 190

Ala Ala Leu Ala His
195

<210> 1179

<211> 249

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (65)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (71)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (84)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (109)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (224)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (226)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1179

His Glu Arg Ile His Thr Gly Glu Lys Pro Tyr Lys Cys Lys Glu Cys
1 5 10 15

Arg Lys Thr Phe Ser Gln Met Thr His Leu Thr Gln His Gln Thr Thr
20 25 30

His Thr Arg Glu Lys Phe His Glu Cys Ser Glu Cys Gly Lys Ala Phe
35 40 45

Ser Arg Val Ser Ala Leu Ile Asp His Gln Arg Ile His Ser Gly Glu
50 55 60

Xaa Pro Tyr Glu Cys Lys Xaa Cys Gly Arg Ala Phe Thr Gln Ser Ala
65 70 75 80

Gln Leu Ile Xaa His Gln Lys Thr His Ser Gly Glu Lys Pro Tyr Glu
85 90 95

Cys Ser Lys Cys Lys Lys Ser Phe Val His Leu Ser Xaa Leu Ile Glu
100 105 110

His Trp Arg Ile His Thr Gly Glu Lys Pro Tyr Gln Cys Lys Asp Cys
115 120 125

Lys Lys Thr Phe Cys Arg Val Met Gln Phe Thr Leu His Arg Arg Ile
130 135 140

His Thr Gly Glu Lys Pro Tyr Glu Cys Lys Glu Cys Gly Lys Ser Phe
145 150 155 160

Ser Ala His Ser Ser Leu Val Thr His Lys Arg Thr His Ser Gly Glu
165 170 175

Lys Pro Tyr Lys Cys Lys Glu Cys Gly Lys Ala Phe Ser Ala His Ser
180 185 190

Ser Leu Val Thr His Lys Arg Thr His Ser Gly Glu Lys Pro Tyr Thr
195 200 205

Cys His Ala Cys Gly Lys Ala Phe Asn Thr Ser Ser Thr Leu Cys Xaa
210 215 220

His Xaa Arg Ile His Thr Gly Glu Lys Pro Phe Gln Cys Ser Gln Cys
225 230 235 240

Gly Lys Ser Leu Val Phe Ser Cys Arg
245

<210> 1180

<211> 377

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (12)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (324)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (360)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (362)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1180

Glu Asp Arg Glu Ala Glu Pro Gln Ile Ala Ala Xaa Asn Leu Lys Phe
1 5 10 15

Gln Gly Ala Ser Asn Leu Thr Leu Ser Glu Thr Gln Asn Gly Asp Val
20 25 30

Ser Glu Glu Thr Met Gly Ser Arg Lys Val Lys Lys Ser Lys Gln Lys
35 40 45

Pro Met Asn Val Gly Leu Ser Glu Thr Gln Asn Gly Gly Met Ser Gln
50 55 60

Glu Ala Val Gly Asn Ile Lys Val Thr Lys Ser Pro Gln Lys Ser Thr
65 70 75 80

Val Leu Ser Asn Gly Glu Ala Ala Met Gln Ser Ser Asn Ser Glu Ser
85 90 95

Lys Lys Lys Lys Lys Lys Lys Arg Lys Met Val Asn Asp Ala Glu Pro
100 105 110

Asp Thr Lys Lys Ala Lys Thr Glu Asn Lys Gly Lys Ser Glu Glu Glu
115 120 125

Ser Ala Glu Thr Thr Lys Glu Thr Glu Asn Asn Val Glu Lys Pro Asp
130 135 140

Asn Asp Glu Asp Glu Ser Glu Val Pro Ser Leu Pro Leu Gly Leu Thr
145 150 155 160

Gly Ala Phe Glu Asp Thr Ser Phe Ala Ser Leu Cys Asn Leu Val Asn
165 170 175

Glu Asn Thr Leu Lys Ala Ile Lys Glu Met Gly Phe Thr Asn Met Thr
180 185 190

Glu Ile Gln His Lys Ser Ile Arg Pro Leu Leu Glu Gly Arg Asp Leu
195 200 205

Leu Ala Ala Ala Lys Thr Gly Ser Gly Lys Thr Leu Ala Phe Leu Ile
210 215 220

Pro Ala Val Glu Leu Ile Val Lys Leu Arg Phe Met Pro Arg Asn Gly
225 230 235 240

Thr Gly Val Leu Ile Leu Ser Pro Thr Arg Glu Leu Ala Met Gln Thr
245 250 255

Phe Gly Val Leu Lys Glu Leu Met Thr His His Val His Thr Tyr Gly
260 265 270

Leu Ile Met Gly Gly Ser Asn Arg Ser Ala Glu Ala Gln Lys Leu Gly
275 280 285

Asn Gly Ile Asn Ile Ile Val Ala Thr Pro Gly Arg Leu Leu Asp His
290 295 300

Met Gln Asn Thr Pro Gly Phe Met Tyr Lys Asn Leu Gln Cys Leu Val
305 310 315 320

Ile Asp Glu Xaa Asp Arg Ile Leu Asp Val Gly Phe Glu Glu Glu Leu
325 330 335

Lys Gln Ile Ile Lys Leu Leu Pro Thr Arg Arg Gln Thr Met Leu Phe
340 345 350

Ser Ala Thr Gln Thr Arg Lys Xaa Glu Xaa Leu Ala Arg Ile Ser Leu
355 360 365

Lys Lys Glu Pro Leu Val Cys Trp Arg
370 375

<210> 1181

<211> 422

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (26)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (27)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (33)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (34)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (53)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (57)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (129)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (248)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1181

Ser	His	Leu	Leu	Gln	Thr	Thr	Tyr	Pro	Lys	Gln	Arg	Met	Pro	Asp	Arg
1				5					10					15	

Arg	His	Ser	Lys	Ser	Ala	Gln	Ile	Ile	Xaa	Xaa	Pro	Val	Pro	Tyr	Gln
			20					25						30	

Xaa	Xaa	Ser	His	Thr	Ser	Tyr	Leu	Tyr	Thr	Gln	Tyr	Ala	Pro	Val	Pro
		35					40					45			

Phe	Gly	Ile	Pro	Xaa	Pro	Met	Pro	Xaa	Pro	Met	Leu	Ile	Pro	Ser	Ser
	50					55					60				

Met	Asp	Ser	Glu	Asp	Lys	Val	Thr	Glu	Ser	Ile	Glu	Asp	Ile	Lys	Glu
65					70					75				80	

Lys	Leu	Pro	Thr	His	Pro	Phe	Glu	Ala	Asp	Leu	Leu	Glu	Met	Ala	Glu
				85					90					95	

Met	Ile	Ala	Glu	Asp	Glu	Glu	Lys	Lys	Thr	Leu	Ser	Gln	Gly	Glu	Ser
		100						105					110		

Gln	Thr	Ser	Glu	His	Glu	Leu	Phe	Leu	Asp	Thr	Lys	Ile	Phe	Glu	Lys
		115					120					125			

Xaa	Gln	Gly	Ser	Thr	Tyr	Ser	Gly	Asp	Leu	Glu	Ser	Glu	Ala	Val	Ser
	130					135						140			

Thr	Pro	His	Ser	Trp	Glu	Glu	Glu	Leu	Asn	His	Tyr	Ala	Leu	Lys	Ser
145					150					155				160	

Asn	Ala	Val	Gln	Glu	Ala	Asp	Ser	Glu	Leu	Lys	Gln	Phe	Ser	Lys	Gly
			165						170					175	

Glu	Thr	Glu	Arg	Thr	Trp	Lys	Gln	Ile	Phe	His	Gln	Thr	Pro	Leu	Thr
		180						185					190		

His	Leu	Ile	Lys	Asp	Gly	Asn	Pro	Gly	Thr	Phe	Pro	Asn	Arg	Arg	Arg
		195					200					205			

His	Arg	Asp	Gly	Phe	Pro	Gln	Pro	Arg	Arg	Arg	Gly	Arg	Lys	Lys	Ser
	210					215					220				

Ile	Val	Ala	Val	Glu	Pro	Arg	Ser	Leu	Ile	Gln	Gly	Ala	Phe	Gln	Gly
225					230					235				240	

Cys Ser Val Ser Gly Met Thr xaa Lys Tyr Met Tyr Gly Val Asn Ala
245 250 255

Trp Lys Asn Trp Val Gln Trp Lys Asn Ala Lys Glu Glu Gln Gly Asp
260 265 270

Leu Lys Cys Gly Gly Val Glu Gln Ala Ser Ser Ser Pro Arg Ser Asp
275 280 285

Pro Leu Gly Ser Thr Gln Asp His Ala Leu Ser Gln Glu Ser Ser Glu
290 295 300

Pro Gly Cys Arg Val Arg Ser Ile Lys Leu Lys Glu Asp Ile Leu Ser
305 310 315 320

Cys Thr Phe Ala Glu Leu Ser Leu Gly Leu Cys Gln Phe Ile Gln Glu
325 330 335

Val Arg Arg Pro Asn Gly Glu Lys Tyr Asp Pro Asp Ser Ile Leu Tyr
340 345 350

Leu Cys Leu Gly Ile Gln Gln Tyr Leu Phe Glu Asn Gly Arg Ile Asp
355 360 365

Asn Ile Phe Thr Glu Pro Tyr Ser Arg Phe Met Ile Glu Leu Thr Lys
370 375 380

Leu Leu Lys Ile Trp Glu Pro Thr Ile Leu Pro Asn Gly Tyr Met Phe
385 390 395 400

Ser Arg Ile Glu Glu Glu His Leu Trp Glu Cys Lys Gln Leu Gly Ala
405 410 415

Tyr Ser Pro Ile Ala Phe
420

<210> 1182

<211> 26

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (9)

<223> xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (25)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1182

Lys Thr Gly Ala Cys Pro Glu Asp Xaa Lys Tyr Cys Pro Gln Ser Ser
1 5 10 15

Arg Tyr Lys Thr Gly Leu Glu Pro Xaa Gly
20 25

<210> 1183

<211> 17

<212> PRT

<213> Homo sapiens

<400> 1183

Gly Gln Glu Ile Glu Thr Val Leu Ala Asn Met Val Lys Pro Arg Leu
1 5 10 15

Tyr

<210> 1184

<211> 165

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (158)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1184

Cys Asp Ser Trp Asn Ala Val Met Ser Thr Leu Cys Pro Pro Pro Ser
1 5 10 15

Pro Ala Val Ala Lys Thr Glu Ile Ala Leu Ser Gly Lys Ser Pro Leu
20 25 30

Leu Ala Ala Thr Phe Ala Tyr Trp Asp Asn Ile Leu Gly Pro Arg Val
35 40 45

Arg His Ile Trp Ala Pro Lys Thr Glu Gln Val Leu Leu Ser Asp Gly
50 55 60

Glu Ile Thr Phe Leu Ala Asn His Thr Leu Asn Gly Glu Ile Leu Arg
65 70 75 80

Asn Ala Glu Ser Gly Ala Ile Asp Val Lys Phe Phe Val Leu Ser Glu
85 90 95

Lys Gly Val Ile Ile Val Ser Leu Ile Phe Asp Gly Asn Trp Asn Gly
100 105 110

Asp Arg Ser Thr Tyr Gly Leu Ser Ile Ile Leu Pro Gln Thr Glu Leu
115 120 125

Ser Phe Tyr Leu Pro Leu His Arg Val Cys Val Asp Arg Leu Thr His
130 135 140

Ile Ile Arg Lys Gly Arg Ile Trp Met His Lys Glu Arg Xaa Glu Met
145 150 155 160

Ser Arg Arg Leu Ser
165

<210> 1185

<211> 110

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (79)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (91)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (96)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1185

Gly Thr Ala Phe Thr Arg Gln Cys Ser Gln Gly Pro Trp Tyr Arg Ala
1 5 10 15

Arg Ser Arg Val Pro Gln Val Val Arg Leu Pro Gly Pro His Leu Glu
20 25 30

Pro Ser Leu Cys Ser Phe Glu Ser Arg Cys Cys Pro Thr Pro Ile Pro
35 40 45

Asn Gln Pro Pro Pro Pro Ala Ser Leu Pro Ser Val Pro Phe Ile Leu
 50 55 60
 Pro Gly Val Pro Ser Ala Cys His Gly Thr Ala Cys Tyr Leu Xaa Gln
 65 70 75 80
 Leu Gln Met Pro Ala Leu Asn Leu Pro Trp Xaa Pro Phe Leu Tyr Xaa
 85 90 95
 Val Asn Ser Leu Asn Ser Ala Leu Pro Leu Pro Ala Leu Lys
 100 105 110

<210> 1186
 <211> 352
 <212> PRT
 <213> Homo sapiens

<400> 1186
 Cys Arg Ser Pro Glu Ala Ser Val Leu Phe Pro Glu Val Ser Gly Leu
 1 5 10 15
 Gly Gln Pro Pro Ser Ser Ser Leu Arg Met Ala Ser Ser Ser Gly Ser
 20 25 30
 Lys Ala Glu Phe Ile Val Gly Gly Lys Tyr Lys Leu Val Arg Lys Ile
 35 40 45
 Gly Ser Gly Ser Phe Gly Asp Ile Tyr Leu Ala Ile Asn Ile Thr Asn
 50 55 60
 Gly Glu Glu Val Ala Val Lys Leu Glu Ser Gln Lys Ala Arg His Pro
 65 70 75 80
 Gln Leu Leu Tyr Glu Ser Lys Leu Tyr Lys Ile Leu Gln Gly Gly Val
 85 90 95
 Gly Ile Pro His Ile Arg Trp Tyr Gly Gln Glu Lys Asp Tyr Asn Val
 100 105 110
 Leu Val Met Asp Leu Leu Gly Pro Ser Leu Glu Asp Leu Phe Asn Phe
 115 120 125
 Cys Ser Arg Arg Phe Thr Met Lys Thr Val Leu Met Leu Ala Asp Gln
 130 135 140
 Met Ile Ser Arg Ile Glu Tyr Val His Thr Lys Asn Phe Ile His Arg
 145 150 155 160
 Asp Ile Lys Pro Asp Asn Phe Leu Met Gly Ile Gly Arg His Cys Asn

165										170					175				
Lys	Leu	Phe	Leu	Ile	Asp	Phe	Gly	Leu	Ala	Lys	Lys	Tyr	Arg	Asp	Asn				
			180						185					190					
Arg	Thr	Arg	Gln	His	Ile	Pro	Tyr	Arg	Glu	Asp	Lys	Asn	Leu	Thr	Gly				
			195					200				205							
Thr	Ala	Arg	Tyr	Ala	Ser	Ile	Asn	Ala	His	Leu	Gly	Ile	Glu	Gln	Ser				
	210					215					220								
Arg	Arg	Asp	Asp	Met	Glu	Ser	Leu	Gly	Tyr	Val	Leu	Met	Tyr	Phe	Asn				
225					230					235					240				
Arg	Thr	Ser	Leu	Pro	Trp	Gln	Gly	Leu	Lys	Ala	Ala	Thr	Lys	Lys	Gln				
				245					250						255				
Lys	Tyr	Glu	Lys	Ile	Ser	Glu	Lys	Lys	Met	Ser	Thr	Pro	Val	Glu	Val				
			260					265						270					
Leu	Cys	Lys	Gly	Phe	Pro	Ala	Glu	Phe	Ala	Met	Tyr	Leu	Asn	Tyr	Cys				
		275					280						285						
Arg	Gly	Leu	Arg	Phe	Glu	Glu	Ala	Pro	Asp	Tyr	Met	Tyr	Leu	Arg	Gln				
	290					295					300								
Leu	Phe	Arg	Ile	Leu	Phe	Arg	Thr	Leu	Asn	His	Gln	Tyr	Asp	Tyr	Thr				
305					310					315					320				
Phe	Asp	Trp	Asp	Asn	Val	Lys	Ala	Glu	Ser	Ser	Thr	Ala	Gly	Ser	Leu				
				325					330					335					
Phe	Gln	Trp	Ala	Gly	Ser	Ala	Gly	Pro	Asn	Pro	His	Arg	Gln	Ala	Asn				
		340					345						350						

<210> 1187

<211> 482

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (11)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE
 <222> (31)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (105)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (259)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (450)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (459)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (475)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 1187
 Ala Gly Leu Val Ala Ala Gly Ala Val Arg Xaa Leu Tyr Pro Ala Ser
 1 5 10 15
 Arg Ala Gly Glu Arg Thr Arg Val Pro Gly Ser Pro Ala Pro Xaa Ser
 20 25 30
 Leu Pro Leu His Ser Pro Gly Ala Cys Gly Thr Glu Val Asp Met Asp
 35 40 45
 Pro Gln Arg Ser Pro Leu Leu Glu Val Lys Gly Asn Ile Glu Leu Lys
 50 55 60
 Arg Pro Leu Ile Lys Ala Pro Ser Gln Leu Pro Leu Ser Gly Ser Arg
 65 70 75 80
 Leu Lys Arg Arg Pro Asp Gln Met Glu Asp Gly Leu Glu Pro Glu Lys
 85 90 95
 Lys Arg Thr Arg Gly Leu Gly Ala Xaa Thr Lys Ile Thr Thr Ser His
 100 105 110

Pro Arg Val Pro Ser Leu Thr Thr Val Pro Gln Thr Gln Gly Gln Thr
115 120 125

Thr Ala Gln Lys Val Ser Lys Lys Thr Gly Pro Arg Cys Ser Thr Ala
130 135 140

Ile Ala Thr Gly Leu Lys Asn Gln Lys Pro Val Pro Ala Val Pro Val
145 150 155 160

Gln Lys Ser Gly Thr Ser Gly Val Pro Pro Met Ala Gly Gly Lys Lys
165 170 175

Pro Ser Lys Arg Pro Ala Trp Asp Leu Lys Gly Gln Leu Cys Asp Leu
180 185 190

Asn Ala Glu Leu Lys Arg Cys Arg Glu Arg Thr Gln Thr Leu Asp Gln
195 200 205

Glu Asn Gln Gln Leu Gln Asp Gln Leu Arg Asp Ala Gln Gln Gln Val
210 215 220

Lys Ala Leu Gly Thr Glu Arg Thr Thr Leu Glu Gly His Leu Ala Lys
225 230 235 240

Val Gln Ala Gln Ala Glu Gln Gly Gln Gln Glu Leu Lys Asn Leu Arg
245 250 255

Ala Cys Xaa Leu Glu Leu Glu Glu Arg Leu Ser Thr Gln Glu Gly Leu
260 265 270

Val Gln Glu Leu Gln Lys Lys Gln Val Glu Leu Gln Glu Glu Arg Arg
275 280 285

Gly Leu Met Ser Gln Leu Glu Glu Lys Glu Arg Arg Leu Gln Thr Ser
290 295 300

Glu Ala Ala Leu Ser Ser Ser Gln Ala Glu Val Ala Ser Leu Arg Gln
305 310 315 320

Glu Thr Val Ala Gln Ala Ala Leu Leu Thr Glu Arg Glu Glu Arg Leu
325 330 335

His Gly Leu Glu Met Glu Arg Arg Arg Leu His Asn Gln Leu Gln Glu
340 345 350

Leu Lys Gly Asn Ile Arg Val Phe Cys Arg Val Arg Pro Val Leu Pro
355 360 365

Gly Glu Pro Thr Pro Pro Pro Gly Leu Leu Leu Phe Pro Ser Gly Pro
370 375 380

Gly Gly Pro Ser Asp Pro Pro Thr Arg Leu Ser Leu Ser Arg Ser Asp
385 390 395 400

Glu Arg Arg Gly Thr Leu Ser Gly Ala Pro Ala Pro Pro Thr Arg His
405 410 415

Asp Phe Ser Phe Asp Arg Val Phe Pro Pro Gly Ser Gly Gln Asp Glu
420 425 430

Val Phe Glu Glu Ile Ala Met Leu Val Gln Ser Ala Leu Asp Gly Tyr
435 440 445

Pro Xaa Cys Ile Phe Ala Tyr Gly Gln Thr Xaa Ser Gly Lys Thr Phe
450 455 460

Thr Met Glu Gly Gly Leu Gly Glu Thr Pro Xaa Gly Arg Ala Asp Pro
465 470 475 480

Ser Gly

<210> 1188

<211> 345

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (175)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1188

Thr Ala Ser Leu Ser Asn Ala Val Lys Ile Leu Leu Arg Trp Val Thr
1 5 10 15

Arg Tyr Ser Cys Pro Arg Ala Phe Val Thr Gly Met Pro Lys Arg Gly
20^a 25 30

Lys Lys Gly Ala Val Ala Glu Asp Gly Asp Glu Leu Arg Thr Glu Pro
35 40 45

Glu Ala Lys Lys Ser Lys Thr Ala Ala Lys Lys Asn Asp Lys Glu Ala
50 55 60

Ala Gly Glu Gly Pro Ala Leu Tyr Glu Asp Pro Pro Asp Gln Lys Thr
65 70 75 80

Ser Pro Ser Gly Lys Pro Ala Thr Leu Lys Ile Cys Ser Trp Asn Val
85 90 95

Asp Gly Leu Arg Ala Trp Ile Lys Lys Lys Gly Leu Asp Trp Val Lys
100 105 110

Glu Glu Ala Pro Asp Ile Leu Cys Leu Gln Glu Thr Lys Cys Ser Glu
115 120 125

Asn Lys Leu Pro Ala Glu Leu Gln Glu Leu Pro Gly Leu Ser His Gln
130 135 140

Tyr Trp Ser Ala Pro Ser Asp Lys Glu Gly Tyr Ser Gly Val Gly Leu
145 150 155 160

Leu Ser Arg Gln Cys Pro Leu Lys Val Ser Tyr Gly Ile Gly Xaa Glu
165 170 175

Glu His Asp Gln Glu Gly Arg Val Ile Val Ala Glu Phe Asp Ser Phe
180 185 190

Val Leu Val Thr Ala Tyr Val Pro Asn Ala Gly Arg Gly Leu Val Arg
195 200 205

Leu Glu Tyr Arg Gln Arg Trp Asp Glu Ala Phe Arg Lys Phe Leu Lys
210 215 220

Gly Leu Ala Ser Arg Lys Pro Leu Val Leu Cys Gly Asp Leu Asn Val
225 230 235 240

Ala His Glu Glu Ile Asp Leu Arg Asn Pro Lys Gly Asn Lys Lys Asn
245 250 255

Ala Gly Phe Thr Pro Gln Glu Arg Gln Gly Phe Gly Glu Leu Leu Gln
260 265 270

Ala Val Pro Leu Ala Asp Ser Phe Arg His Leu Tyr Pro Asn Thr Pro
275 280 285

Tyr Ala Tyr Thr Phe Trp Thr Tyr Met Met Asn Ala Arg Ser Lys Asn
290 295 300

Val Gly Trp Arg Leu Asp Tyr Phe Leu Leu Ser His Ser Leu Leu Pro
305 310 315 320

Ala Leu Cys Asp Ser Lys Ile Arg Ser Lys Ala Leu Gly Ser Asp His
325 330 335

Cys Pro Ile Thr Leu Tyr Leu Ala Leu
340 345

<210> 1189
<211> 136
<212> PRT
<213> Homo sapiens

<400> 1189

Asp	Ile	Ser	Thr	Pro	Ser	Leu	Thr	Thr	Asp	His	Ala	Pro	Leu	Thr	Ile
1				5					10					15	
Ser	Leu	Lys	Pro	Asn	His	Pro	Tyr	Arg	Thr	Gln	Cys	Gln	Tyr	Pro	Ile
			20					25						30	
Pro	Gln	His	Ala	Leu	Lys	Arg	Leu	Lys	Pro	Val	Ile	Ile	Arg	Leu	Leu
			35				40						45		
Gln	His	Gly	Leu	Leu	Asn	Pro	Ile	Asn	Ser	Pro	Tyr	Asn	Ser	Pro	Ile
	50					55					60				
Phe	Pro	Val	Leu	Lys	Arg	Asp	Lys	Pro	Tyr	Lys	Leu	Val	Gln	Asp	Leu
65					70					75					80
Arg	Leu	Ile	Asn	Gln	Ile	Val	Leu	Pro	Ile	His	Pro	Val	Val	Pro	Asn
			85						90						95
Pro	Tyr	Thr	Leu	Leu	Ser	Ser	Ile	Pro	Pro	Ser	Thr	Thr	His	Tyr	Ser
			100					105						110	
Val	Leu	Asp	Leu	Arg	His	Ala	Phe	Phe	Thr	Ile	Ala	Leu	His	Pro	Ser
			115				120						125		
Ser	Gln	Pro	Leu	Phe	Ala	Phe	Thr								
	130						135								

<210> 1190
<211> 128
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (2)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (12)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (14)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (25)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1190

Leu Xaa Gln Lys Thr Gln Pro Thr His Glu Lys Xaa Ala Xaa Ser Phe
1 5 10 15

Leu Gly Met Val Cys Ile Trp Val Xaa Ser Ile Gln Thr Ser Ile Asn
20 25 30

Thr Ser Phe Ile Leu Gly Leu Pro Asn Ser Phe Pro Gln Asp Leu Lys
35 40 45

Thr Ile Thr Met Ile Lys Val Ser Phe Ala Pro Cys Gln Arg Leu Gly
50 55 60

Pro Leu Pro Phe Pro Ser Arg Gln Tyr Ser Val Gln Leu Gly Leu Val
65 70 75 80

Pro Ser Leu Ser Val Arg Thr Glu Phe His Pro Arg Phe Ser Thr Gln
85 90 95

Ala Leu Cys Ser Gly Lys Val Lys Pro Ser Leu Lys Gly Ser Lys Ser
100 105 110

Ser Ala Ile Asp Arg Ala Ala Gly Gly Lys Arg Ser Arg Cys Ile Arg
115 120 125

<210> 1191

<211> 236

<212> PRT

<213> Homo sapiens

<400> 1191

Arg Ala Gly Ser Val Lys Arg Arg Gln Arg Gly Lys Met Ala Ala Ala
1 5 10 15

Val Pro Gln Arg Ala Trp Thr Val Glu Gln Leu Arg Ser Glu Gln Leu
20 25 30

Pro Lys Lys Asp Ile Ile Lys Phe Leu Gln Glu His Gly Ser Asp Ser
35 40 45

Phe Leu Ala Glu His Lys Leu Leu Gly Asn Ile Lys Asn Val Ala Lys
50 55 60

Thr Ala Asn Lys Asp His Leu Val Thr Ala Tyr Asn His Leu Phe Glu
65 70 75 80

Thr Lys Arg Phe Lys Gly Thr Glu Ser Ile Ser Lys Val Ser Glu Gln
85 90 95

Val Lys Asn Val Lys Leu Asn Glu Asp Lys Pro Lys Glu Thr Lys Ser
100 105 110

Glu Glu Thr Leu Asp Glu Gly Pro Pro Lys Tyr Thr Lys Ser Val Leu
115 120 125

Lys Lys Gly Asp Lys Thr Asn Phe Pro Lys Lys Gly Asp Val Val His
130 135 140

Cys Trp Tyr Thr Gly Thr Leu Gln Asp Gly Thr Val Phe Asp Thr Asn
145 150 155 160

Ile Gln Thr Ser Ala Lys Lys Lys Lys Asn Ala Lys Pro Leu Ser Phe
165 170 175

Lys Val Gly Val Gly Lys Val Ile Arg Gly Trp Asp Glu Ala Leu Leu
180 185 190

Thr Met Ser Lys Gly Glu Lys Ala Arg Leu Glu Ile Glu Pro Glu Trp
195 200 205

Ala Tyr Gly Lys Lys Gly Gln Pro Asp Ala Lys Ile Pro Pro Asn Ala
210 215 220

Lys Leu Thr Phe Glu Val Glu Leu Val Asp Ile Asp
225 230 235

<210> 1192

<211> 204

<212> PRT

<213> Homo sapiens

<400> 1192

Pro Ala Met Glu Ala Glu Ala Gly Gly Leu Glu Glu Leu Thr Asp Glu
1 5 10 15

Glu Met Ala Ala Leu Gly Lys Glu Glu Leu Val Arg Arg Leu Arg Arg

20 25 30

Glu Glu Ala Ala Arg Leu Ala Ala Leu Val Gln Arg Gly Arg Leu Met
35 40 45

Gln Glu Val Asn Arg Gln Leu Gln Gly His Leu Gly Glu Ile Arg Glu
50 55 60

Leu Lys Gln Leu Asn Arg Arg Leu Gln Ala Glu Asn Arg Glu Leu Arg
65 70 75 80

Asp Leu Cys Cys Phe Leu Asp Ser Glu Arg Gln Arg Gly Arg Arg Ala
85 90 95

Ala Arg Gln Trp Gln Leu Phe Gly Thr Gln Ala Ser Arg Ala Val Arg
100 105 110

Glu Asp Leu Gly Gly Cys Trp Gln Lys Leu Ala Glu Leu Glu Gly Arg
115 120 125

Gln Glu Glu Leu Leu Arg Glu Asn Leu Ala Leu Lys Glu Leu Cys Leu
130 135 140

Ala Leu Gly Glu Glu Trp Gly Pro Arg Gly Gly Pro Ser Gly Ala Gly
145 150 155 160

Gly Ser Gly Ala Gly Pro Ala Pro Glu Leu Ala Leu Pro Pro Cys Gly
165 170 175

Pro Arg Asp Leu Gly Asp Gly Ser Ser Ser Thr Gly Ser Val Gly Ser
180 185 190

Pro Asp Gln Leu Pro Leu Ala Cys Ser Pro Asp Asp
195 200

<210> 1193

<211> 66

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (56)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (59)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1193

Ser Gln Gln Thr Glu Leu Ile Thr Val Ile Leu Gly Val Phe Phe Cys
1 5 10 15
Arg Val Lys His Val Asn Ile Leu His Arg His Lys Tyr Lys His Asp
20 25 30
Lys His Trp Thr Trp Lys Met Gly Ser Lys Phe Cys Thr Cys Ala Phe
35 40 45
Leu Tyr Phe Cys Cys Ile Phe Xaa Ser Cys Xaa Phe Ala Lys Tyr Ile
50 55 60
Ile Asn
65

<210> 1194

<211> 305

<212> PRT

<213> Homo sapiens

<400> 1194

Thr Cys Ala Gly Pro Arg Gly Ala Ala Cys Gly Arg Leu Arg Leu Pro
1 5 10 15
Ala Ala Gly Ala Leu Leu Pro Ala Ala Gln Arg Arg Val His Arg Tyr
20 25 30
Glu Glu Ser Glu Val Ile Ser Leu Pro Phe Leu Asp Gln Leu Val Ser
35 40 45
Thr Leu Val Gly Leu Leu Ser Pro His Asn Pro Ala Leu Ala Ala Ala
50 55 60
Ala Leu Asp Tyr Arg Cys Pro Val His Phe Tyr Trp Val Arg Gly Glu
65 70 75 80
Glu Ile Ile Pro Arg Gly His Arg Arg Gly Arg Ile Asp Asp Leu Arg
85 90 95
Tyr Gln Ile Asp Asp Lys Pro Asn Asn Gln Ile Arg Ile Ser Lys Gln
100 105 110
Leu Ala Glu Phe Val Pro Leu Asp Tyr Ser Val Pro Ile Glu Ile Pro
115 120 125
Thr Ile Lys Cys Lys Pro Asp Lys Leu Pro Leu Phe Lys Arg Gln Tyr
130 135 140

Glu Asn His Ile Phe Val Gly Ser Lys Thr Ala Asp Pro Cys Cys Tyr
145 150 155 160

Gly His Thr Gln Phe His Leu Leu Pro Asp Lys Leu Arg Arg Glu Arg
165 170 175

Leu Leu Arg Gln Asn Cys Ala Asp Gln Ile Glu Val Val Phe Arg Ala
180 185 190

Asn Ala Ile Ala Ser Leu Phe Ala Trp Thr Gly Ala Gln Ala Met Tyr
195 200 205

Gln Gly Phe Trp Ser Glu Ala Asp Val Thr Arg Pro Phe Val Ser Gln
210 215 220

Ala Val Ile Thr Asp Gly Lys Tyr Phe Ser Phe Phe Cys Tyr Gln Leu
225 230 235 240

Asn Thr Leu Ala Leu Thr Thr Gln Ala Asp Gln Asn Asn Pro Arg Lys
245 250 255

Asn Ile Cys Trp Gly Thr Gln Ser Lys Pro Leu Tyr Glu Thr Ile Glu
260 265 270

Asp Asn Asp Val Lys Gly Phe Asn Asp Asp Val Leu Leu Gln Ile Val
275 280 285

His Phe Leu Leu Asn Arg Pro Lys Glu Glu Lys Ser Gln Leu Leu Glu
290 295 300

Asn
305

<210> 1195
<211> 102
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (28)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (38)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1195

Gly Arg Ala Ala Pro Gln Leu Gln Asp Leu Ala Ser Ser Cys Pro Gln
1 5 10 15
Glu Glu Val Ser Gln Gln Gln Glu Ser Val Ser Xaa Leu Pro Ala Ser
20 25 30
Val His Pro Gln Leu Xaa His Gly Arg Ala Trp Arg Pro Ser Thr Cys
35 40 45
Ser Thr Asp Ser Arg Ser Pro Ala Phe Cys Gln Arg Pro Arg Thr Pro
50 55 60
Val Ser Ile Cys Cys Arg Ile Lys Arg Leu Phe Leu Gln Lys Gln Ser
65 70 75 80
Gln Leu Gln Ala Tyr Phe Asn Gln Met Gln Ile Ala Glu Ser Ser Tyr
85 90 95
Pro Gln Pro Ser Gln Gln
100

<210> 1196

<211> 123

<212> PRT

<213> Homo sapiens

<400> 1196

Ala Arg Gly Pro Ala Ala Ala Cys Pro Leu Arg Trp Pro Pro Ala Ala
1 5 10 15
Ala Arg Ala Met Ala Gly Lys Ala His Arg Leu Ser Ala Glu Glu Arg
20 25 30
Asp Gln Leu Leu Pro Asn Leu Arg Ala Val Gly Trp Asn Glu Leu Glu
35 40 45
Gly Arg Asp Ala Ile Phe Lys Gln Phe His Phe Lys Asp Phe Asn Arg
50 55 60
Ala Phe Gly Phe Met Thr Arg Val Ala Leu Gln Ala Glu Lys Leu Asp
65 70 75 80
His His Pro Glu Trp Phe Asn Val Tyr Asn Lys Val His Ile Thr Leu
85 90 95
Ser Thr His Glu Cys Ala Gly Leu Ser Glu Arg Asp Ile Asn Leu Ala
100 105 110

Ser Phe Ile Glu Gln Val Ala Val Ser Met Thr
 115 120

<210> 1197

<211> 247

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (28)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (31)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1197

Ala Arg Gly Gly Gly Lys Ser Gly Arg Ala Gly Gly Ala Gly Ala Arg
 1 5 10 15

Arg Gly Gly Lys Glu Leu Arg Val Ala Ala Glu Xaa Pro Arg Xaa Gln
 20 25 30

Arg Arg Pro Thr Gln Pro Ser Arg Arg Arg Arg Arg Ala Pro Met Ala
 35 40 45

Ala Ala Lys Asp Thr His Glu Asp His Asp Thr Ser Thr Glu Asn Thr
 50 55 60

Asp Glu Ser Asn His Asp Pro Gln Phe Glu Pro Ile Val Ser Leu Pro
 65 70 75 80

Glu Gln Glu Ile Lys Thr Leu Glu Glu Asp Glu Glu Glu Leu Phe Lys
 85 90 95

Met Arg Ala Lys Leu Phe Arg Phe Ala Ser Glu Asn Asp Leu Pro Glu
 100 105 110

Trp Lys Glu Arg Gly Thr Gly Asp Val Lys Leu Leu Lys His Lys Glu
 115 120 125

Lys Gly Ala Ile Arg Leu Leu Met Arg Arg Asp Lys Thr Leu Lys Ile
 130 135 140

Cys Ala Asn His Tyr Ile Thr Pro Met Met Glu Leu Lys Pro Asn Ala
 145 150 155 160

Gly Ser Asp Arg Ala Trp Val Trp Asn Thr His Ala Asp Phe Ala Asp
165 170 175

Glu Cys Pro Lys Pro Glu Leu Leu Ala Ile Arg Phe Leu Asn Ala Glu
180 185 190

Asn Ala Gln Lys Phe Lys Thr Lys Phe Glu Glu Cys Arg Lys Glu Ile
195 200 205

Glu Glu Arg Glu Lys Lys Ala Gly Ser Gly Lys Asn Asp His Ala Glu
210 215 220

Lys Val Ala Glu Lys Leu Glu Ala Leu Ser Val Lys Glu Glu Thr Lys
225 230 235 240

Glu Asp Ala Glu Glu Lys Gln
245

<210> 1198
<211> 60
<212> PRT
<213> Homo sapiens

<400> 1198
Phe Gly Phe Ser Thr Cys Ile Thr Asn Pro Ala Pro Ile Cys His Ile
1 5 10 15

Lys Val Cys Asp Leu Lys Phe Ser Gln His Pro His Gln Thr Leu Phe
20 25 30

Phe Tyr Val Phe Phe Ala Thr Tyr Glu Cys Phe Glu Asn Lys Val Pro
35 40 45

Met Ser Leu Leu Glu Lys Lys Lys Lys Lys Lys
50 55 60

<210> 1199
<211> 198
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (189)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (194)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (195)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1199

Ser Asp Lys Trp Pro Thr Ala Val Arg Ala Asn Gly His Leu Leu Leu
1 5 10 15

Asn Ser Glu Lys Met Ser Lys Ser Thr Gly Asn Phe Leu Thr Leu Thr
20 25 30

Gln Ala Ile Asp Lys Phe Ser Ala Asp Gly Met Arg Leu Ala Leu Ala
35 40 45

Asp Ala Gly Asp Thr Val Glu Asp Ala Asn Phe Val Glu Ala Met Ala
50 55 60

Asp Ala Gly Ile Leu Arg Leu Tyr Thr Trp Val Glu Trp Val Lys Glu
65 70 75 80

Met Val Ala Asn Trp Asp Ser Leu Arg Ser Gly Pro Ala Ser Thr Phe
85 90 95

Asn Asp Arg Val Phe Ala Ser Glu Leu Asn Ala Gly Ile Ile Lys Thr
100 105 110

Asp Gln Asn Tyr Glu Lys Met Met Phe Lys Glu Ala Leu Lys Thr Gly
115 120 125

Phe Phe Glu Phe Gln Ala Ala Lys Asp Lys Tyr Arg Glu Leu Ala Val
130 135 140

Glu Gly Met His Arg Glu Leu Val Phe Arg Phe Ile Glu Val Gln Thr
145 150 155 160

Leu Leu Leu Ala Pro Phe Cys Pro His Leu Cys Glu Ala His Leu Gly
165 170 175

His Ser Trp Gly Lys Pro Asp Phe Asn Tyr Gly Met Xaa Ser Trp Ala
180 185 190

Cys Xaa Xaa Gly Pro Val
195

<210> 1200
 <211> 174
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (16)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 1200
 Leu Tyr Gly Cys Glu Lys Thr Thr Glu Gly Gly Gly Gly Arg Glu Xaa
 1 5 10 15
 Ala Gly Lys Met Val Val Thr Arg Ser Ala Arg Ala Lys Ala Ser Ile
 20 25 30
 Gln Ala Ala Ser Ala Glu Ser Ser Gly Gln Lys Ser Phe Ala Ala Asn
 35 40 45
 Gly Ile Gln Ala His Pro Glu Ser Ser Thr Gly Ser Asp Ala Arg Thr
 50 55 60
 Thr Ala Glu Ser Gln Thr Thr Gly Lys Gln Ser Leu Ile Pro Arg Thr
 65 70 75 80
 Pro Lys Ala Arg Lys Arg Lys Ser Arg Thr Thr Gly Ser Leu Pro Lys
 85 90 95
 Gly Thr Glu Pro Ser Thr Asp Gly Glu Thr Ser Glu Ala Glu Ser Asn
 100 105 110
 Tyr Ser Val Ser Glu His His Asp Thr Ile Leu Arg Val Thr Arg Arg
 115 120 125
 Arg Gln Ile Leu Ile Ala Cys Ser Pro Val Ser Ser Val Arg Lys Lys
 130 135 140
 Pro Lys Val Thr Pro Thr Lys Glu Ser Tyr Thr Glu Glu Ile Val Ser
 145 150 155 160
 Glu Ala Glu Ser His Val Ser Gly Ile Ser Arg Asn Cys Ala
 165 170

<210> 1201
 <211> 689
 <212> PRT
 <213> Homo sapiens

<400> 1201

Trp Ser Thr Glu Val Glu Pro Ser Gly Ile Ile Phe Lys Asn Ser Lys
 1 5 10 15
 Thr Gly Lys Val Asp Asn Ile Gln Ala Gly Glu Leu Thr Glu Gly Ile
 20 25 30
 Trp Arg Arg Val Ala Leu Gly His Gly Leu Lys Leu Leu Thr Lys Asn
 35 40 45
 Gly His Val Tyr Lys Tyr Asp Gly Phe Arg Glu Ser Glu Phe Glu Lys
 50 55 60
 Leu Ser Asp Phe Phe Lys Thr His Tyr Arg Leu Glu Leu Met Glu Lys
 65 70 75 80
 Asp Leu Cys Val Lys Gly Trp Asn Trp Gly Thr Val Lys Phe Gly Gly
 85 90 95
 Gln Leu Leu Ser Phe Asp Ile Gly Asp Gln Pro Val Phe Glu Ile Pro
 100 105 110
 Leu Ser Asn Val Ser Gln Cys Thr Thr Gly Lys Asn Glu Val Thr Leu
 115 120 125
 Glu Phe His Gln Asn Asp Asp Ala Glu Val Ser Leu Met Glu Val Arg
 130 135 140
 Phe Tyr Val Pro Pro Thr Gln Glu Asp Gly Val Asp Pro Val Glu Ala
 145 150 155 160
 Phe Ala Gln Asn Val Leu Ser Lys Ala Asp Val Ile Gln Ala Thr Gly
 165 170 175
 Asp Ala Ile Cys Ile Phe Arg Glu Leu Gln Cys Leu Thr Pro Arg Gly
 180 185 190
 Arg Tyr Asp Ile Arg Ile Tyr Pro Thr Phe Leu His Leu His Gly Lys
 195 200 205
 Thr Phe Asp Tyr Lys Ile Pro Tyr Thr Thr Val Leu Arg Leu Phe Leu
 210 215 220
 Leu Pro His Lys Asp Gln Arg Gln Met Phe Phe Val Ile Ser Leu Asp
 225 230 235 240
 Pro Pro Ile Lys Gln Gly Gln Thr Arg Tyr His Phe Leu Ile Leu Leu
 245 250 255
 Phe Ser Lys Asp Glu Asp Ile Ser Leu Thr Leu Asn Met Asn Glu Glu
 260 265 270

Glu Val Glu Lys Arg Phe Glu Gly Arg Leu Thr Lys Asn Met Ser Gly
275 280 285

Ser Leu Tyr Glu Met Val Ser Arg Val Met Lys Ala Leu Val Asn Arg
290 295 300

Lys Ile Thr Val Pro Gly Asn Phe Gln Gly His Ser Gly Ala Gln Cys
305 310 315 320

Ile Thr Cys Ser Tyr Lys Ala Ser Ser Gly Leu Leu Tyr Pro Leu Glu
325 330 335

Arg Gly Phe Ile Tyr Val His Lys Pro Pro Val His Ile Arg Phe Asp
340 345 350

Glu Ile Ser Phe Val Asn Phe Ala Arg Gly Thr Thr Thr Thr Arg Ser
355 360 365

Phe Asp Phe Glu Ile Glu Thr Lys Gln Gly Thr Gln Tyr Thr Phe Ser
370 375 380

Ser Ile Glu Arg Glu Glu Tyr Gly Lys Leu Phe Asp Phe Val Asn Ala
385 390 395 400

Lys Lys Leu Asn Ile Lys Asn Arg Gly Leu Lys Glu Gly Met Asn Pro
405 410 415

Ser Tyr Asp Glu Tyr Ala Asp Ser Asp Glu Asp Gln His Asp Ala Tyr
420 425 430

Leu Glu Arg Met Lys Glu Glu Gly Lys Ile Arg Glu Glu Asn Ala Asn
435 440 445

Asp Ser Ser Asp Asp Ser Gly Glu Glu Thr Asp Glu Ser Phe Asn Pro
450 455 460

Gly Glu Glu Glu Glu Asp Val Ala Glu Glu Phe Asp Ser Asn Ala Ser
465 470 475 480

Ala Ser Ser Ser Ser Asn Glu Gly Asp Ser Asp Arg Asp Glu Lys Lys
485 490 495

Arg Lys Gln Leu Lys Lys Ala Lys Met Ala Lys Asp Arg Lys Ser Arg
500 505 510

Lys Lys Pro Val Glu Val Lys Lys Gly Lys Asp Pro Asn Ala Pro Lys
515 520 525

Arg Pro Met Ser Ala Tyr Met Leu Trp Leu Asn Ala Ser Arg Glu Lys
530 535 540

Ile Lys Ser Asp His Pro Gly Ile Ser Ile Thr Asp Leu Ser Lys Lys
545 550 555 560

Ala Gly Glu Ile Trp Lys Gly Met Ser Lys Glu Lys Lys Glu Glu Trp
565 570 575

Asp Arg Lys Ala Glu Asp Ala Arg Arg Asp Tyr Glu Lys Ala Met Lys
580 585 590

Glu Tyr Glu Gly Gly Arg Gly Glu Ser Ser Lys Arg Asp Lys Ser Lys
595 600 605

Lys Lys Lys Lys Val Lys Val Lys Met Glu Lys Lys Ser Thr Pro Ser
610 615 620

Arg Gly Ser Ser Ser Lys Ser Ser Ser Arg Gln Leu Ser Glu Ser Phe
625 630 635 640

Lys Ser Lys Glu Phe Val Ser Ser Asp Glu Ser Ser Ser Gly Glu Asn
645 650 655

Lys Ser Lys Lys Lys Arg Arg Arg Ser Glu Asp Ser Glu Glu Glu Glu
660 665 670

Leu Ala Ser Thr Pro Pro Ser Ser Glu Asp Ser Ala Ser Gly Ser Asp
675 680 685

Glu

<210> 1202

<211> 65

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (38)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1202

Asn Leu Ser Glu Leu Leu Gln Ala Asp Phe Leu Gly Gln Gly Glu Ile
1 5 10 15

Met Val Leu Lys Cys Leu Ile Arg Ser His Thr Gln Phe Gln Val His
20 25 30

Tyr Ser Lys Ser Met Xaa Thr Ala Pro Thr Ala Thr Asn Leu Leu Leu

35

40

45

Pro Ser Arg Val Ala Cys Thr Ile Phe Ile Ala Cys Pro Gly Trp Val
 50 55 60

Gly
 65

<210> 1203

<211> 379

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (132)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (255)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1203

Gly Arg Leu Arg Ala Leu Ala Leu Ala Val Ser Ala Pro Gly Leu Thr
 1 5 10 15

Phe Lys Met Val His Ala Glu Ala Phe Ser Arg Pro Leu Ser Arg Asn
 20 25 30

Glu Val Val Gly Leu Ile Phe Arg Leu Thr Ile Phe Gly Ala Val Thr
 35 40 45

Tyr Phe Thr Ile Lys Trp Met Val Asp Ala Ile Asp Pro Thr Arg Lys
 50 55 60

Gln Lys Val Glu Ala Gln Lys Gln Ala Glu Lys Leu Met Lys Gln Ile
 65 70 75 80

Gly Val Lys Asn Val Lys Leu Ser Glu Tyr Glu Met Ser Ile Ala Ala
 85 90 95

His Leu Val Asp Pro Leu Asn Met His Val Thr Trp Ser Asp Ile Ala
 100 105 110

Gly Leu Asp Asp Val Ile Thr Asp Leu Lys Asp Thr Val Ile Leu Pro
 115 120 125

Ile Lys Lys Xaa His Leu Phe Glu Asn Ser Arg Leu Leu Gln Pro Pro

130 135 140
Lys Gly Val Leu Leu Tyr Gly Pro Pro Gly Cys Gly Lys Thr Leu Ile
145 150 155 160
Ala Lys Ala Thr Ala Lys Glu Ala Gly Cys Arg Phe Ile Asn Leu Gln
165 170 175
Pro Ser Thr Leu Thr Asp Lys Trp Tyr Gly Glu Ser Gln Lys Leu Ala
180 185 190
Ala Ala Val Phe Ser Leu Ala Ile Lys Leu Gln Pro Ser Ile Ile Phe
195 200 205
Ile Asp Glu Ile Asp Ser Phe Leu Arg Asn Arg Ser Ser Ser Asp His
210 215 220
Glu Ala Thr Ala Met Met Lys Ala Gln Phe Met Ser Leu Trp Asp Gly
225 230 235 240
Leu Asp Thr Asp His Ser Cys Gln Val Ile Val Met Gly Ala Xaa Asn
245 250 255
Arg Pro Gln Asp Leu Asp Ser Ala Ile Met Arg Arg Met Pro Thr Arg
260 265 270
Phe His Ile Asn Gln Pro Ala Leu Lys Gln Arg Glu Ala Ile Leu Lys
275 280 285
Leu Ile Leu Lys Asn Glu Asn Val Asp Arg His Val Asp Leu Leu Glu
290 295 300
Val Ala Gln Glu Thr Asp Gly Phe Ser Gly Ser Asp Leu Lys Glu Met
305 310 315 320
Cys Arg Asp Ala Ala Leu Leu Cys Val Arg Glu Tyr Val Asn Ser Thr
325 330 335
Ser Glu Glu Ser His Asp Glu Asp Glu Ile Arg Pro Val Gln Gln Gln
340 345 350
Asp Leu His Arg Ala Ile Glu Lys Met Lys Lys Ser Lys Asp Ala Ala
355 360 365
Phe Gln Asn Val Leu Thr His Val Cys Leu Asp
370 375

<210> 1204

<211> 77

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (3)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1204

Leu Ser Xaa Pro Gly Ala Trp Phe Tyr Val Pro Val Ala Met Phe Pro
1 5 10 15

Val Ser Ser Gly Cys Phe Gln Glu Gln Gln Glu Thr Asn Lys Ser Leu
20 25 30

Thr Leu Leu Arg Cys Ser Gln Arg Asp Thr Ser Pro Leu Met Asp Gly
35 40 45

Gln Thr Trp Ala Gly Ser Val Ser Leu Asn His Pro Pro Leu Pro Gln
50 55 60

Leu Pro Thr Thr Asp Thr Ser Asp Asp Thr Pro Gly Lys
65 70 75

<210> 1205

<211> 305

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (222)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (223)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (227)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (235)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (239)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (273)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (277)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (284)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1205

Phe	Thr	Ser	Val	Ser	Cys	Thr	Ser	Thr	Ser	Ser	Phe	Ser	Ser	Asn	Ala
1				5				10						15	

Ala	Gln	Arg	Phe	Phe	Leu	Leu	His	Gly	Thr	Lys	Cys	Asn	Tyr	Ser	Pro
			20					25					30		

Gly	Ser	Pro	Val	Tyr	Phe	Cys	Tyr	Glu	Ser	Ser	Tyr	Phe	Asn	Thr	Thr
	35					40						45			

Ser	Arg	Pro	Thr	Ser	Cys	Ser	Ala	Val	Ser	Ser	Ala	Val	Asn	Ile	Met
	50				55						60				

Asn	Gly	Ser	Gln	Met	His	Ile	Asn	Pro	Ala	Asn	Lys	Ser	Leu	Pro	Pro
65					70					75				80	

Thr	Phe	Gly	Pro	Ala	Thr	Leu	Phe	Asn	His	Phe	Ser	Ser	Leu	Phe	Asp
				85					90					95	

Ser	Ser	Gln	Val	Pro	Ala	Asn	Gln	Gly	Trp	Gly	Asp	Gly	Pro	Leu	Ser
		100						105					110		

Ser	Arg	Val	Ala	Thr	Asp	Ala	Ser	Phe	Thr	Val	Gln	Ser	Ala	Phe	Leu
		115					120					125			

Gly	Asn	Ser	Val	Leu	Gly	His	Leu	Glu	Asn	Met	His	Pro	Asp	Asn	Ser
	130					135					140				

Lys	Ala	Pro	Gly	Phe	Arg	Pro	Pro	Ser	Gln	Arg	Val	Ser	Thr	Ser	Pro
145					150					155					160

Val Gly Leu Pro Ser Ile Asp Pro Ser Gly Ser Ser Pro Ser Ser Ser
165 170 175

Ser Ala Pro Leu Ala Ser Phe Ser Gly Ile Pro Gly Thr Arg Val Phe
180 185 190

Leu Gln Gly Pro Ala Pro Val Gly Thr Pro Ser Phe Asn Arg Gln His
195 200 205

Phe Ser Pro His Pro Trp Thr Ser Ala Ser Asn Ser Cys Xaa Xaa Pro
210 215 220

Ile Pro Xaa Val Ser Ser Gly Ser Ser Ser Xaa Leu Ser Ala Xaa Ser
225 230 235 240

Cys Pro Thr Asn Val Gly Ala Asn Gln Lys Gly Val Ser Ala Ser Gln
245 250 255

Gly Phe Gly Lys Val Thr Phe Pro Gln Leu Gly Asn Arg Arg Arg Thr
260 265 270

Xaa Ala Arg Ile Xaa Gly Lys Gly Gly Gly Phe Xaa Trp His Lys Ala
275 280 285

Pro Gly Gly Asn Gln Phe Phe Cys Ser Val Ser Leu Trp Asp Lys Val
290 295 300

Gly
305

<210> 1206

<211> 61

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (15)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (33)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (42)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (52)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (56)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1206

Arg Glu His Ser Ala Phe Asp Leu Trp Glu Ile Ser Ser Trp Xaa Pro
1 5 10 15

Trp Cys Cys Thr Asp His Gln Glu Glu Leu Lys Ser Ser Gly Asn Leu
20 25 30

Xaa Lys Ile Lys Ser Pro Pro Ala Arg Xaa Leu Ser Lys Ile Thr Gly
35 40 45

Arg Leu Leu Xaa Gln His Val Xaa Glu Cys Ala Ser Gly
50 55 60

<210> 1207

<211> 177

<212> PRT

<213> Homo sapiens

<400> 1207

Asn Ser Ala Gln Gly Met Ala Gly Ser Pro Glu Leu Val Val Leu Asp
1 5 10 15

Pro Pro Trp Asp Lys Glu Leu Ala Ala Gly Thr Glu Ser Gln Ala Leu
20 25 30

Val Ser Ala Thr Pro Arg Glu Asp Phe Arg Val Arg Cys Thr Ala Lys
35 40 45

Arg Ala Val Thr Glu Met Leu Gln Leu Cys Gly Arg Phe Val Gln Lys
50 55 60

Leu Gly Asp Ala Leu Pro Glu Glu Ile Arg Glu Pro Ala Leu Arg Asp
65 70 75 80

Ala Gln Trp Thr Phe Glu Ser Ala Val Gln Glu Asn Ile Ser Ile Asn
85 90 95

Gly Gln Ala Trp Gln Glu Ala Ser Asp Asn Cys Phe Met Asp Ser Asp

100 105 110
Ile Lys Val Leu Glu Asp Gln Phe Asp Glu Ile Ile Val Asp Ile Ala
115 120 125
Thr Lys Arg Lys Gln Tyr Pro Arg Lys Ile Leu Glu Cys Val Ile Lys
130 135 140
Thr Ile Lys Ala Lys Gln Glu Ile Leu Lys Gln Tyr His Pro Val Val
145 150 155 160
His Pro Leu Asp Leu Lys Tyr Asp Pro Asp Pro Val Leu Ala Cys Ile
165 170 175

Asn

<210> 1208

<211> 288

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (277)

<223> xaa equals any of the naturally occurring L-amino acids

<400> 1208

Pro His Arg Val Asp Thr Arg Arg Arg Asp Pro Val Pro Arg Ser Arg
1 5 10 15
Ala Leu Ser His Gly Thr Gly Arg Val Gly Ala Ala Ala Gly Glu Ser
20 25 30
Ser Arg Ala Pro Arg Cys Trp Ser Gly Ser Arg Pro Arg Ala Pro Ala
35 40 45
Asp Pro Pro Arg His Arg Pro Leu Leu Cys Leu Ser Arg Arg Gly Ser
50 55 60
Pro Pro His His Leu Gly Cys Leu Leu Gly Glu Ser Phe Met Gln Leu
65 70 75 80
Gln Gln Arg Leu Leu Arg Glu Lys Glu Ala Lys Ile Arg Lys Ala Leu
85 90 95
Asp Arg Leu Arg Lys Lys Arg His Leu Leu Arg Arg Gln Arg Thr Arg
100 105 110

Arg Glu Phe Pro Val Ile Ser Val Val Gly Tyr Thr Asn Cys Gly Lys
115 120 125
Thr Thr Leu Ile Lys Ala Leu Thr Gly Asp Ala Ala Ile Gln Pro Arg
130 135 140
Asp Gln Leu Phe Ala Thr Leu Asp Val Thr Ala His Ala Gly Thr Leu
145 150 155 160
Pro Ser Arg Met Thr Val Leu Tyr Val Asp Thr Ile Gly Phe Leu Ser
165 170 175
Gln Leu Pro His Gly Leu Ile Glu Ser Phe Ser Ala Thr Leu Glu Asp
180 185 190
Val Ala His Ser Asp Leu Ile Leu His Val Arg Asp Val Ser His Pro
195 200 205
Glu Ala Glu Leu Gln Lys Cys Ser Val Leu Ser Thr Leu Arg Gly Leu
210 215 220
Gln Leu Pro Ala Pro Leu Leu Asp Ser Met Val Glu Val His Asn Lys
225 230 235 240
Val Asp Leu Val Pro Gly Tyr Ser Pro Thr Glu Pro Asn Val Val Pro
245 250 255
Val Ser Ala Leu Arg Gly His Gly Leu Gln Glu Leu Lys Leu Ser Ser
260 265 270
Met Arg Arg Phe Xaa Arg Arg Arg Gly Asp Arg Ser Ser Leu Ser Val
275 280 285

<210> 1209

<211> 327

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (30)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (261)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1209

Asn	Ile	Leu	Gly	Gly	Gly	Lys	Trp	Phe	Leu	Arg	Gly	Ile	Leu	Leu	Ile	1	5	10	15
Leu	Pro	Gln	Val	Tyr	Leu	Pro	Cys	Val	Leu	Gln	Thr	Lys	Xaa	Arg	Tyr	20	25	30	
Val	Gly	Tyr	Met	Tyr	Glu	Thr	Leu	Asp	Gln	Lys	Asp	Pro	Val	Phe	Asp	35	40	45	
Ala	Lys	Gly	Ile	Glu	Thr	Val	Arg	Arg	Asp	Ser	Cys	Pro	Ala	Val	Ser	50	55	60	
Lys	Ile	Leu	Glu	Arg	Ser	Leu	Lys	Leu	Leu	Phe	Glu	Thr	Arg	Asp	Ile	65	70	75	80
Ser	Leu	Ile	Lys	Gln	Tyr	Val	Gln	Arg	Gln	Cys	Met	Lys	Leu	Leu	Glu	85	90	95	
Gly	Lys	Ala	Ser	Ile	Gln	Asp	Phe	Ile	Phe	Ala	Lys	Glu	Tyr	Arg	Gly	100	105	110	
Ser	Phe	Ser	Tyr	Lys	Pro	Gly	Ala	Cys	Val	Pro	Ala	Leu	Glu	Leu	Thr	115	120	125	
Arg	Lys	Met	Leu	Thr	Tyr	Asp	Arg	Arg	Ser	Glu	Pro	Gln	Val	Gly	Glu	130	135	140	
Arg	Val	Pro	Tyr	Val	Ile	Ile	Tyr	Gly	Thr	Pro	Gly	Val	Pro	Leu	Ile	145	150	155	160
Gln	Leu	Val	Arg	Arg	Pro	Val	Glu	Val	Leu	Gln	Asp	Pro	Thr	Leu	Arg	165	170	175	
Leu	Asn	Ala	Thr	Tyr	Tyr	Ile	Thr	Lys	Gln	Ile	Leu	Pro	Pro	Leu	Ala	180	185	190	
Arg	Ile	Phe	Ser	Leu	Ile	Gly	Ile	Asp	Val	Phe	Ser	Trp	Tyr	His	Glu	195	200	205	
Leu	Pro	Arg	Ile	His	Lys	Ala	Thr	Ser	Ser	Ser	Arg	Ser	Glu	Pro	Glu	210	215	220	
Gly	Arg	Lys	Gly	Thr	Ile	Ser	Gln	Tyr	Phe	Thr	Thr	Leu	His	Cys	Pro	225	230	235	240
Val	Cys	Asp	Asp	Leu	Thr	Gln	His	Gly	Ile	Cys	Ser	Lys	Cys	Arg	Ser	245	250	255	

Gln Pro Gln His Xaa Ala Val Ile Leu Asn Gln Glu Ile Arg Glu Leu
260 265 270

Glu Arg Gln Gln Glu Gln Leu Val Lys Ile Cys Lys Asn Cys Thr Gly
275 280 285

Cys Phe Asp Arg His Ile Pro Cys Val Ser Leu Asn Cys Pro Val Leu
290 295 300

Phe Lys Leu Ser Arg Val Asn Arg Glu Leu Ser Lys Ala Pro Tyr Leu
305 310 315 320

Arg Gln Leu Leu Asp Gln Phe
325

<210> 1210

<211> 676

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (374)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1210

Pro Val Leu Arg Thr His Pro Gly Pro Gln Ser Leu Pro Arg Val Pro
1 5 10 15

Gly Val Pro Cys Gly Gly Leu Leu Glu Pro Leu Ser Arg Ala Glu Val
20 25 30

Ser Pro Arg Leu Gly Leu Arg Arg Asp Leu Leu Gly Gly Met Ala Pro
35 40 45

Pro Gly Ser Ser Thr Val Phe Leu Leu Ala Leu Thr Ile Ile Ala Ser
50 55 60

Thr Trp Ala Leu Thr Pro Thr His Tyr Leu Thr Lys His Asp Val Glu
65 70 75 80

Arg Leu Lys Ala Ser Leu Asp Arg Pro Phe Thr Asn Leu Glu Ser Ala
85 90 95

Phe Tyr Ser Ile Val Gly Leu Ser Ser Leu Gly Ala Gln Val Pro Asp
100 105 110

Ala Lys Lys Ala Cys Thr Tyr Ile Arg Ser Asn Leu Asp Pro Ser Asn
115 120 125

Val Asp Ser Leu Phe Tyr Ala Ala Gln Ala Ser Gln Ala Leu Ser Gly
130 135 140

Cys Glu Ile Ser Ile Ser Asn Glu Thr Lys Asp Leu Leu Leu Ala Ala
145 150 155 160

Val Ser Glu Asp Ser Ser Val Thr Gln Ile Tyr His Ala Val Ala Ala
165 170 175

Leu Ser Gly Phe Gly Leu Pro Leu Ala Ser Gln Glu Ala Leu Ser Ala
180 185 190

Leu Thr Ala Arg Leu Ser Lys Glu Glu Thr Val Leu Ala Thr Val Gln
195 200 205

Ala Leu Gln Thr Ala Ser His Leu Ser Gln Gln Ala Asp Leu Arg Ser
210 215 220

Ile Val Glu Glu Ile Glu Asp Leu Val Ala Arg Leu Asp Glu Leu Gly
225 230 235 240

Gly Val Tyr Leu Gln Phe Glu Glu Gly Leu Glu Thr Thr Ala Leu Phe
245 250 255

Val Ala Ala Thr Tyr Lys Leu Met Asp His Val Gly Thr Glu Pro Ser
260 265 270

Ile Lys Glu Asp Gln Val Ile Gln Leu Met Asn Ala Ile Phe Ser Lys
275 280 285

Lys Asn Phe Glu Ser Leu Ser Glu Ala Phe Ser Val Ala Ser Ala Ala
290 295 300

Ala Val Leu Ser His Asn Arg Tyr His Val Pro Val Val Val Val Pro
305 310 315 320

Glu Gly Ser Ala Ser Asp Thr His Glu Gln Ala Ile Leu Arg Leu Gln
325 330 335

Val Thr Asn Val Leu Ser Gln Pro Leu Thr Gln Ala Thr Val Lys Leu
340 345 350

Glu His Ala Lys Ser Val Ala Ser Arg Ala Thr Val Leu Gln Lys Thr
355 360 365

Ser Phe Thr Pro Val Xaa Asp Val Phe Glu Leu Asn Phe Met Asn Val
370 375 380

Lys Phe Ser Ser Gly Tyr Tyr Asp Phe Leu Val Glu Val Glu Gly Asp
385 390 395 400

Asn Arg Tyr Ile Ala Asn Thr Val Glu Leu Arg Val Lys Ile Ser Thr
405 410 415

Glu Val Gly Ile Thr Asn Val Asp Leu Ser Thr Val Asp Lys Asp Gln
420 425 430

Ser Ile Ala Pro Lys Thr Thr Arg Val Thr Tyr Pro Ala Lys Ala Lys
435 440 445

Gly Thr Phe Ile Ala Asp Ser His Gln Asn Phe Ala Leu Phe Phe Gln
450 455 460

Leu Val Asp Val Asn Thr Gly Ala Glu Leu Thr Pro His Gln Thr Phe
465 470 475 480

Val Arg Leu His Asn Gln Lys Thr Gly Gln Glu Val Val Phe Val Ala
485 490 495

Glu Pro Asp Asn Lys Asn Val Tyr Lys Phe Glu Leu Asp Thr Ser Glu
500 505 510

Arg Lys Ile Glu Phe Asp Ser Ala Ser Gly Thr Tyr Thr Leu Tyr Leu
515 520 525

Ile Ile Gly Asp Ala Thr Leu Lys Asn Pro Ile Leu Trp Asn Val Ala
530 535 540

Asp Val Val Ile Lys Phe Pro Glu Glu Glu Ala Pro Ser Thr Val Leu
545 550 555 560

Ser Gln Asn Leu Phe Thr Pro Lys Gln Glu Ile Gln His Leu Phe Arg
565 570 575

Glu Pro Glu Lys Arg Pro Pro Thr Val Val Ser Asn Thr Phe Thr Ala
580 585 590

Leu Ile Leu Ser Pro Leu Leu Leu Leu Phe Ala Leu Trp Ile Arg Ile
595 600 605

Gly Ala Asn Val Ser Asn Phe Thr Phe Ala Pro Ser Thr Ile Ile Phe
610 615 620

His Leu Gly His Ala Ala Met Leu Gly Leu Met Tyr Val Tyr Trp Thr
625 630 635 640

Gln Leu Asn Met Phe Gln Thr Leu Lys Tyr Leu Ala Ile Leu Gly Ser
645 650 655

Val Thr Phe Leu Ala Gly Asn Arg Met Leu Ala Gln Gln Ala Val Lys
660 665 670

Arg Thr Ala His
675

<210> 1211
<211> 56
<212> PRT
<213> Homo sapiens

<400> 1211
His Val Cys Leu Thr Leu Met Glu Gly Ile Asn Pro Gln Asn Phe Leu
1 5 10 15
Pro Arg Glu Leu Gly Asn Cys Pro Arg Asn Lys Pro Cys Thr Val Glu
20 25 30
Trp Thr Trp Ile Ser Asn Asn Leu Leu Leu Cys Arg Ile Cys Ser Leu
35 40 45
Val Ile Val Trp Cys Val Ile Leu
50 55

<210> 1212
<211> 61
<212> PRT
<213> Homo sapiens

<400> 1212
Ser Tyr Pro Ala Ala Lys Ser Ser Val Ile Phe Gly Ala Leu Arg Ile
1 5 10 15
Thr Leu Val Ser Ala His Phe Pro Phe Cys Leu Pro Tyr Lys Ala Gln
20 25 30
Asn Arg Val Gly Lys Lys Tyr Glu Thr Ser Thr Val Ser Thr Phe Leu
35 40 45
Glu Val Trp Tyr Leu Val Ser Arg Leu Arg Pro Gln Asp
50 55 60

<210> 1213
<211> 260
<212> PRT
<213> Homo sapiens

<220>

<221> SITE

<222> (205)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1213

Cys Pro Pro Glu Cys Arg Trp Cys Val Ala Arg Leu Ala Leu Arg Glu
1 5 10 15

Ser Trp Gly Leu Leu Pro Glu Arg Tyr Gly Tyr Val Asp Arg Asn Arg
20 25 30

Ile Phe Gly Cys Asp Pro Pro Tyr Tyr Ala Val Leu Glu Gly Glu Gln
35 40 45

Phe Thr Ser Gly Val Ser Thr Leu Gln Glu Glu Thr Thr Val Ser Leu
50 55 60

Asn Thr Val Asp Ser Ile Glu Ser Phe Val Ala Asp Ile Asn Ser Gly
65 70 75 80

His Trp Asp Thr Val Leu Gln Ala Ile Gln Ser Leu Lys Leu Pro Asp
85 90 95

Lys Thr Leu Ile Asp Leu Tyr Glu Gln Val Val Leu Glu Leu Ile Glu
100 105 110

Leu Arg Glu Leu Gly Ala Ala Arg Ser Leu Leu Arg Gln Thr Asp Pro
115 120 125

Met Ile Met Leu Lys Gln Thr Gln Pro Glu Arg Tyr Ile His Leu Glu
130 135 140

Asn Leu Leu Ala Arg Ser Tyr Phe Asp Pro Arg Glu Ala Tyr Pro Asp
145 150 155 160

Gly Ser Ser Lys Glu Lys Arg Arg Ala Ala Ile Ala Gln Ala Leu Ala
165 170 175

Gly Glu Val Ser Val Val Pro Pro Ser Arg Leu Met Ala Leu Leu Gly
180 185 190

Gln Ala Leu Lys Trp Gln Gln His Gln Gly Leu Leu Xaa Pro Gly Met
195 200 205

Thr Ile Asp Leu Phe Arg Gly Lys Ala Ala Val Lys Asp Val Glu Glu
210 215 220

Glu Lys Phe Pro Thr Gln Leu Ser Arg His Ile Lys Phe Gly Gln Lys
225 230 235 240

Ser His Val Glu Cys Ala Arg Phe Ser Pro Asp Gly Pro Val Phe Gly
245 250 255

His Trp Val Cys
260

<210> 1214
<211> 95
<212> PRT
<213> Homo sapiens

<400> 1214
Lys Gln Asn Ile Pro Tyr Val Ser Phe Ser Ile Gly Gln Lys His Phe
1 5 10 15
Asp Thr Met Phe Val Lys His Leu Trp Arg Gly Ala Leu Leu Asn Ala
20 25 30
Ala Ser Ala Val Asn Pro Gly Gly Lys Gly Ser Ala Ser Ser Gln Glu
35 40 45
Pro Ser Pro Ser Ile Asn Arg Glu Leu Lys Gln Ala Phe Phe Phe Ser
50 55 60
Tyr Arg Lys Ala Ala Ile Val Gln Gly His Ile Met Gly Leu Phe Ala
65 70 75 80
Leu Ile Gly Phe Gln Met Cys Met Ala Lys Arg Glu Met Trp Ala
85 90 95

<210> 1215
<211> 365
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (1)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1215
Xaa His Gly Ile Gly Val Thr Ala Thr Asn Phe Thr Thr His Asn Ile
1 5 10 15
Pro Gln Thr Phe Thr Thr Ala Ile Arg Cys Thr Lys Cys Gly Lys Gly
20 25 30

Val Asp Asn Met Pro Glu Leu His Lys His Ile Leu Ala Cys Ala Ser
35 40 45

Ala Ser Asp Lys Lys Arg Tyr Thr Pro Lys Lys Asn Pro Val Pro Leu
50 55 60

Lys Gln Thr Val Gln Pro Lys Asn Gly Val Val Val Leu Asp Asn Ser
65 70 75 80

Gly Lys Asn Ala Phe Arg Arg Met Gly Gln Pro Lys Arg Leu Asn Phe
85 90 95

Ser Val Glu Leu Ser Lys Met Ser Ser Asn Lys Leu Lys Leu Asn Ala
100 105 110

Leu Lys Lys Lys Asn Gln Leu Val Gln Lys Ala Ile Leu Gln Lys Asn
115 120 125

Lys Ser Ala Lys Gln Lys Ala Asp Leu Lys Asn Ala Cys Glu Ser Ser
130 135 140

Ser His Ile Cys Pro Tyr Cys Asn Arg Glu Phe Thr Tyr Ile Gly Ser
145 150 155 160

Leu Asn Lys His Ala Ala Phe Ser Cys Pro Lys Lys Pro Leu Ser Pro
165 170 175

Pro Lys Lys Lys Val Ser His Ser Ser Lys Lys Gly Gly His Ser Ser
180 185 190

Pro Ala Ser Ser Asp Lys Asn Ser Asn Ser Asn His Arg Arg Arg Thr
195 200 205

Ala Asp Ala Glu Ile Lys Met Gln Ser Met Gln Thr Pro Leu Gly Lys
210 215 220

Thr Arg Ala Arg Ser Ser Gly Pro Thr Gln Val Pro Leu Pro Ser Ser
225 230 235 240

Ser Phe Arg Ser Lys Gln Asn Val Lys Phe Ala Ala Ser Val Lys Ser
245 250 255

Lys Lys Pro Ser Ser Ser Ser Leu Arg Asn Ser Ser Pro Ile Arg Met
260 265 270

Ala Lys Ile Thr His Val Glu Gly Lys Lys Pro Lys Ala Val Ala Lys
275 280 285

Asn His Ser Ala Gln Leu Ser Ser Lys Thr Ser Arg Ser Leu His Val
290 295 300

Arg Val Gln Lys Ser Lys Ala Val Leu Gln Ser Lys Ser Thr Leu Ala
305 310 315 320

Ser Lys Lys Arg Thr Asp Arg Phe Asn Ile Lys Ser Arg Glu Arg Ser
325 330 335

Gly Gly Pro Val Thr Arg Ser Leu Gln Leu Ala Ala Ala Ala Asp Leu
340 345 350

Ser Glu Asn Lys Arg Glu Asp Gly Ser Ala Ser Arg Ser
355 360 365

<210> 1216

<211> 558

<212> PRT

<213> Homo sapiens

<400> 1216

Ala His Ala Ser Ala His Ala Ala Thr Pro Arg Arg Leu Trp Ala Leu
1 5 10 15

Ser Ile Val Ser Phe Ser Ser Ala Gly Ala Ala Met Ala Ala Val Lys
20 25 30

Thr Leu Asn Pro Lys Ala Glu Val Ala Arg Ala Gln Ala Ala Leu Ala
35 40 45

Val Asn Ile Ser Ala Ala Arg Gly Leu Gln Asp Val Leu Arg Thr Asn
50 55 60

Leu Gly Pro Lys Gly Thr Met Lys Met Leu Val Ser Gly Ala Gly Asp
65 70 75 80

Ile Lys Leu Thr Lys Asp Gly Asn Val Leu Leu His Glu Met Gln Ile
85 90 95

Gln His Pro Thr Ala Ser Leu Ile Ala Lys Val Ala Thr Ala Gln Asp
100 105 110

Asp Ile Thr Gly Asp Gly Thr Thr Ser Asn Val Leu Ile Ile Gly Glu
115 120 125

Leu Leu Lys Gln Ala Asp Leu Tyr Ile Ser Glu Gly Leu His Pro Arg
130 135 140

Ile Ile Thr Glu Gly Phe Glu Ala Ala Lys Glu Lys Ala Leu Gln Phe
145 150 155 160

Leu Glu Glu Val Lys Val Ser Arg Glu Met Asp Arg Glu Thr Leu Ile

165										170					175				
Asp	Val	Ala	Arg	Thr	Ser	Leu	Arg	Thr	Lys	Val	His	Ala	Glu	Leu	Ala				
			180						185					190					
Asp	Val	Leu	Thr	Glu	Ala	Val	Val	Asp	Ser	Ile	Leu	Ala	Ile	Lys	Lys				
		195						200				205							
Gln	Asp	Glu	Pro	Ile	Asp	Leu	Phe	Met	Ile	Glu	Ile	Met	Glu	Met	Lys				
	210					215					220								
His	Lys	Ser	Glu	Thr	Asp	Thr	Ser	Leu	Ile	Arg	Gly	Leu	Val	Leu	Asp				
225					230					235					240				
His	Gly	Ala	Arg	His	Pro	Asp	Met	Lys	Lys	Arg	Val	Glu	Asp	Ala	Tyr				
				245					250					255					
Ile	Leu	Thr	Cys	Asn	Val	Ser	Leu	Glu	Tyr	Glu	Lys	Thr	Glu	Val	Asn				
		260						265					270						
Ser	Gly	Phe	Phe	Tyr	Lys	Ser	Ala	Glu	Glu	Arg	Glu	Lys	Leu	Val	Lys				
	275						280					285							
Ala	Glu	Arg	Lys	Phe	Ile	Glu	Asp	Arg	Val	Lys	Lys	Ile	Ile	Glu	Leu				
	290					295					300								
Lys	Arg	Lys	Val	Cys	Gly	Asp	Ser	Asp	Lys	Gly	Phe	Val	Val	Ile	Asn				
305				310						315				320					
Gln	Lys	Gly	Ile	Asp	Pro	Phe	Ser	Leu	Asp	Ala	Leu	Ser	Lys	Glu	Gly				
			325					330					335						
Ile	Val	Ala	Leu	Arg	Arg	Ala	Lys	Arg	Arg	Asn	Met	Glu	Arg	Leu	Thr				
		340						345					350						
Leu	Ala	Cys	Gly	Gly	Val	Ala	Leu	Asn	Ser	Phe	Asp	Asp	Leu	Ser	Pro				
	355					360					365								
Asp	Cys	Leu	Gly	His	Ala	Gly	Leu	Val	Tyr	Glu	Tyr	Thr	Leu	Gly	Glu				
	370				375						380								
Glu	Lys	Phe	Thr	Phe	Ile	Glu	Lys	Cys	Asn	Asn	Pro	Arg	Ser	Val	Thr				
385				390					395					400					
Leu	Leu	Ile	Lys	Gly	Pro	Asn	Lys	His	Thr	Leu	Thr	Gln	Ile	Lys	Asp				
		405						410					415						
Ala	Val	Arg	Asp	Gly	Leu	Arg	Ala	Val	Lys	Asn	Ala	Ile	Asp	Asp	Gly				
	420					425					430								
Cys	Val	Val	Pro	Gly	Ala	Gly	Ala	Val	Glu	Val	Ala	Met	Ala	Glu	Ala				

435 440 445
Leu Ile Lys His Lys Pro Ser Val Lys Gly Arg Ala Gln Leu Gly Val
450 455 460
Gln Ala Phe Ala Asp Ala Leu Leu Ile Ile Pro Lys Val Leu Ala Gln
465 470 475 480
Asn Ser Gly Phe Asp Leu Gln Glu Thr Leu Val Lys Ile Gln Ala Glu
485 490 495
His Ser Glu Ser Gly Gln Leu Val Gly Val Asp Leu Asn Thr Gly Glu
500 505 510
Pro Met Val Ala Ala Glu Val Gly Val Trp Asp Asn Tyr Cys Val Lys
515 520 525
Lys Gln Leu Leu His Ser Cys Thr Val Ile Ala Thr Asn Ile Leu Leu
530 535 540
Val Asp Glu Ile Met Arg Ala Gly Met Ser Ser Leu Lys Gly
545 550 555

<210> 1217

<211> 226

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (98)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (145)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (146)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (185)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE
<222> (192)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (199)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (206)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (212)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (218)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1217
Leu Lys Val Leu Trp Cys Phe Leu Ile His Val Gln Gly Ser Ile Arg
1 5 10 15
Gln Phe Ala Ala Cys Leu Val Leu Thr Asp Phe Gly Ile Ala Val Phe
20 25 30
Glu Ile Pro His Gln Glu Ser Arg Gly Ser Ser Gln His Ile Leu Ser
35 40 45
Ser Leu Arg Phe Val Phe Cys Phe Pro His Gly Asp Leu Thr Glu Phe
50 55 60
Gly Phe Leu Met Pro Glu Leu Cys Leu Val Leu Lys Val Arg His Ser
65 70 75 80
Glu Asn Thr Leu Phe Ile Ile Ser Asp Ala Ala Asn Leu His Glu Phe
85 90 95
His Xaa Asp Leu Arg Ser Cys Phe Ala Pro Gln His Met Ala Met Leu
100 105 110
Cys Ser Pro Ile Leu Tyr Gly Ser His Thr Ser Leu Gln Glu Phe Leu
115 120 125
Arg Gln Leu Leu Thr Phe Tyr Lys Val Ala Gly Gly Cys Gln Glu Arg
130 135 140

Xaa Xaa Gly Cys Phe Pro Val Tyr Leu Val Tyr Ser Asp Lys Arg Met
 145 150 155 160

Val Gln Thr Ala Ala Gly Asp Tyr Ser Gly Asn Ile Glu Trp Pro Ala
 165 170 175

Ala His Ser Val Gln Pro Cys Gly Xaa Pro Ala Ala Arg Pro Leu Xaa
 180 185 190

Pro Ser Ser Pro Pro Pro Xaa Pro Thr Gly Cys Cys Ser Xaa Pro Ser
 195 200 205

Thr Gln Ser Xaa Gln Ser Arg Leu Gln Xaa His Ala Gln Thr Val Glu
 210 215 220

Pro Lys
 225

<210> 1218

<211> 255

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (2)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1218

Cys Xaa Leu Pro Gly Cys Glu Ala His Ile Ile Pro Phe Ile Leu Asp
 1 5 10 15

Glu Ile Gly Ala Asp Ile Glu Asp Arg His Ile Val Val Ser Cys Ala
 20 25 30

Ala Gly Val Thr Ile Ser Ser Ile Glu Lys Lys Leu Ser Ala Phe Arg
 35 40 45

Pro Ala Pro Arg Val Ile Arg Cys Met Thr Asn Thr Pro Val Val Val
 50 55 60

Arg Glu Gly Ala Thr Val Tyr Ala Thr Gly Thr His Ala Gln Val Glu
 65 70 75 80

Asp Gly Arg Leu Met Glu Gln Leu Leu Ser Ser Val Gly Phe Cys Thr
 85 90 95

Glu Val Glu Glu Asp Leu Ile Asp Ala Val Thr Gly Leu Ser Gly Ser

100	105	110
Gly Pro Ala Tyr Ala Phe Thr Ala Leu Asp Ala Leu Ala Asp Gly Gly		
115	120	125
Val Lys Met Gly Leu Pro Arg Arg Leu Ala Val Arg Leu Gly Ala Gln		
130	135	140
Ala Leu Leu Gly Ala Ala Lys Met Leu Leu His Ser Glu Gln His Pro		
145	150	155 160
Gly Gln Leu Lys Asp Asn Val Ser Ser Pro Gly Gly Ala Thr Ile His		
165	170	175
Ala Leu His Val Leu Glu Ser Gly Gly Phe Arg Ser Leu Leu Ile Asn		
180	185	190
Ala Val Glu Ala Ser Cys Ile Arg Thr Arg Glu Leu Gln Ser Met Ala		
195	200	205
Asp Gln Glu Gln Val Ser Pro Ala Ala Ile Lys Lys Thr Ile Leu Asp		
210	215	220
Lys Val Lys Leu Asp Ser Pro Ala Gly Thr Ala Leu Ser Pro Ser Gly		
225	230	235 240
His Thr Lys Leu Leu Pro Arg Ser Leu Ala Pro Ala Gly Lys Asp		
245	250	255

<210> 1219

<211> 590

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (17)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (116)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (127)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (131)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (134)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (158)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (161)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (213)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (216)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1219
Ala Gln Val Arg Ala Pro Pro Trp Leu Cys Cys Pro Arg Ala Trp Thr
1 5 10 15
Xaa Cys Pro Pro Pro Ala Cys Arg Arg Ala Gly Arg Pro Thr Arg Pro
20 25 30
Ser Cys Ser Ala Val Thr Ala Pro Gly Ser Gly Gly Leu Val Ala Gly
35 40 45
Gly Pro Glu Ala Phe Ala Ala Phe Leu Arg Arg Glu Arg Leu Ala Arg
50 55 60
Phe Leu Asn Pro Asp Glu Val His Ala Ile Leu Arg Ala Ala Glu Arg
65 70 75 80
Pro Gly Glu Glu Gly Ala Ala Ala Ala Ala Ala Arg Thr Arg Ser
85 90 95
Ala Pro Arg Thr Thr Ala Leu Arg Ala Leu Leu Pro Arg Ala Val Gly
100 105 110

Pro Gly Ala Xaa Ala Val Gly Ala Trp Leu Ala Arg Leu Leu Xaa Gly
115 120 125

Arg Leu Xaa Arg Arg Xaa Ala Cys Arg Asp Ala Leu Pro Ala Pro Arg
130 135 140

Arg Trp Arg Arg Trp Pro Leu Arg Leu Gln Gly Arg Ser Xaa Pro His
145 150 155 160

Xaa Arg Ser Ala Arg Glu Val Ile Ala Val Val Met Asp Val Phe Thr
165 170 175

Asp Ile Asp Ile Phe Arg Asp Leu Gln Glu Ile Cys Arg Lys Gln Gly
180 185 190

Val Ala Val Tyr Ile Leu Leu Asp Gln Ala Leu Leu Ser Gln Phe Leu
195 200 205

Asp Met Cys Met Xaa Leu Lys Xaa His Pro Glu Gln Glu Lys Leu Met
210 215 220

Thr Val Arg Thr Ile Thr Gly Asn Ile Tyr Tyr Ala Arg Ser Gly Thr
225 230 235 240

Lys Ile Ile Gly Lys Val His Glu Lys Phe Thr Leu Ile Asp Gly Ile
245 250 255

Arg Val Ala Thr Gly Ser Tyr Ser Phe Thr Trp Thr Asp Gly Lys Leu
260 265 270

Asn Ser Ser Asn Leu Val Ile Leu Ser Gly Gln Val Val Glu His Phe
275 280 285

Asp Leu Glu Phe Arg Ile Leu Tyr Ala Gln Ser Lys Pro Ile Ser Pro
290 295 300

Lys Leu Leu Ser His Phe Gln Ser Ser Asn Lys Phe Asp His Leu Thr
305 310 315 320

Asn Arg Lys Pro Gln Ser Lys Glu Leu Thr Leu Gly Asn Leu Leu Arg
325 330 335

Met Arg Leu Ala Arg Leu Ser Ser Thr Pro Arg Lys Ala Asp Leu Asp
340 345 350

Pro Glu Met Pro Ala Glu Gly Lys Ala Glu Arg Lys Pro His Asp Cys
355 360 365

Glu Ser Ser Thr Val Ser Glu Glu Asp Tyr Phe Ser Ser His Arg Asp
370 375 380

Glu Leu Gln Ser Arg Lys Ala Ile Asp Ala Ala Thr Gln Thr Glu Pro
 385 390 395 400
 Gly Glu Glu Met Pro Gly Leu Ser Val Ser Glu Val Gly Thr Gln Thr
 405 410 415
 Ser Ile Thr Thr Ala Cys Ala Gly Thr Gln Thr Ala Val Ile Thr Arg
 420 425 430
 Ile Ala Ser Ser Gln Thr Thr Ile Trp Ser Arg Ser Thr Thr Thr Gln
 435 440 445
 Thr Asp Met Asp Glu Asn Ile Leu Phe Pro Arg Gly Thr Gln Ser Thr
 450 455 460
 Glu Gly Ser Pro Val Ser Lys Met Ser Val Ser Arg Ser Ser Ser Leu
 465 470 475 480
 Lys Ser Ser Ser Ser Val Ser Ser Gln Gly Ser Val Ala Ser Ser Thr
 485 490 495
 Gly Ser Pro Ala Ser Ile Arg Thr Thr Asp Phe His Asn Pro Gly Tyr
 500 505 510
 Pro Lys Tyr Leu Gly Thr Pro His Leu Glu Leu Tyr Leu Ser Asp Ser
 515 520 525
 Leu Arg Asn Leu Asn Lys Glu Arg Gln Phe His Phe Ala Gly Ile Arg
 530 535 540
 Ser Arg Leu Asn His Met Leu Ala Met Leu Ser Arg Arg Thr Leu Phe
 545 550 555 560
 Thr Glu Asn His Leu Gly Leu His Ser Gly Asn Phe Ser Arg Val Asn
 565 570 575
 Leu Leu Ala Val Arg Asp Val Ala Leu Tyr Pro Ser Tyr Gln
 580 585 590

<210> 1220

<211> 451

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (29)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1220

Val Glu Ile Ser Gly Pro Arg Pro Val Asp Trp Glu Val Arg Pro Pro
1 5 10 15

Leu Gln Arg Leu Gly Leu Cys Phe Gly Ser Cys Arg Xaa Gln Gln Ser
20 25 30

Leu Pro Gly Arg Gly Ser Ala Asn Leu Leu Pro Ser Val Arg Ser Glu
35 40 45

Ser Ala Val Leu Ser Asp Cys Val Gly Gly Phe Pro Gly Arg Ser Ser
50 55 60

Val Arg Ala Trp Ile Ala Gly Pro Arg Cys Thr Pro Ala Ser Pro Thr
65 70 75 80

Arg Val Leu Ser Leu Ser Trp Arg Leu Phe Asn Ser Ala Ser Leu Leu
85 90 95

Leu Leu Ala Thr Ser Thr Ser Gly Ser Glu Cys Arg Phe Pro Arg Ser
100 105 110

Pro Arg Ala Arg Glu Arg Gly Ile Pro Asp Cys Glu Arg Leu Leu Val
115 120 125

Arg Arg Ser Cys Trp Arg Ser Gly Asp Pro Arg Pro Ala Gly Pro Ala
130 135 140

Gly His Ala Ala Gly Ala Phe Ser Thr Pro Gln Tyr Leu Gly Gly Thr
145 150 155 160

Ala Met Val Leu Leu His Val Lys Arg Gly Asp Glu Ser Gln Phe Leu
165 170 175

Leu Gln Ala Pro Gly Ser Thr Glu Leu Glu Glu Leu Thr Val Gln Val
180 185 190

Ala Arg Val Tyr Asn Gly Arg Leu Lys Val Gln Arg Leu Cys Ser Glu
195 200 205

Met Glu Glu Leu Ala Glu His Gly Ile Phe Leu Pro Pro Asn Met Gln
210 215 220

Gly Leu Thr Asp Asp Gln Ile Glu Glu Leu Lys Leu Lys Asp Glu Trp
225 230 235 240

Gly Glu Lys Cys Val Pro Ser Gly Gly Ala Val Phe Lys Lys Asp Asp
245 250 255

Ile Gly Arg Arg Asn Gly Gln Ala Pro Asn Glu Lys Met Lys Gln Val

260 265 270

Leu Lys Lys Thr Ile Glu Glu Ala Lys Ala Ile Ile Ser Lys Lys Gln
275 280 285

Val Glu Ala Gly Val Cys Val Thr Met Glu Met Val Lys Asp Ala Leu
290 295 300

Asp Gln Leu Arg Gly Ala Val Met Ile Val Tyr Pro Met Gly Leu Pro
305 310 315 320

Pro Tyr Asp Pro Ile Arg Met Glu Phe Glu Asn Lys Glu Asp Leu Ser
325 330 335

Gly Thr Gln Ala Gly Leu Asn Val Ile Lys Glu Ala Glu Ala Gln Leu
340 345 350

Trp Trp Ala Ala Lys Glu Leu Arg Arg Thr Lys Lys Leu Ser Asp Tyr
355 360 365

Val Gly Lys Asn Glu Lys Thr Lys Ile Ile Ala Lys Ile Gln Gln Arg
370 375 380

Gly Gln Gly Ala Pro Ala Arg Glu Pro Ile Ile Ser Ser Glu Glu Gln
385 390 395 400

Lys Gln Leu Met Leu Tyr Tyr His Arg Arg Gln Glu Glu Leu Lys Arg
405 410 415

Leu Glu Glu Asn Asp Asp Asp Ala Tyr Leu Asn Ser Pro Trp Ala Asp
420 425 430

Asn Thr Ala Leu Lys Arg His Phe His Gly Val Lys Asp Ile Lys Trp
435 440 445

Arg Pro Arg
450

<210> 1221

<211> 85

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (14)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1221